ARCTIC DATA COMPILATION AND APPRAISAL
VOLUME 14
Northwest Passage: Physical Oceanography – Temperature, Salinity, Currents, Water Levels and Waves
REVISED AND UPDATED TO INCLUDE 1820 THROUGH 1986

by

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1987

CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 5

Canada

88-01867/

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

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PREFACE

These catalogues are produced by the Data Assessment Division at the Institute of Ocean Sciences and the Native and Regulatory Affairs Division at the Freshwater Institute. Joint government and industry contract projects have catalogued marine data sets, their focus being mainly on oceanography and fisheries. Data quality appraisals are included to assist in establishing the usefulness of given data for particular analyses or purposes. The ratings also determine the confidence that can be placed on interpretations incorporating those data.

The appraisals will assist in establishing priorities for incorporating the most useful data in the national Marine Environmental Data Service (MEDS) archives. Additional uses of the catalogues include the provision of the best available résumé of marine data sources for research planning, environmental assessments, land use planning, regulatory approvals and operational procedures.

In the past, the pace of offshore development activity has emphasized the need to review the sufficiency and suitability of available scientific information for design, regulatory and planning purposes. The review is a three-stage process: 1) compilation and appraisal of the existing data sets; 2) analysis of the suitability of existing data sets for contributing answers to questions of concern; and, 3) analysis and interpretation of data and estimation of scientific confidence in the answer to the particular question. This report represents part of the results of the first stage for the physicial oceanographic data of the Canadian Northwest Passage.

Brian Smiley and Larry de March
Scientific Editors
Arctic Data Compilation and Appraisal
Series

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ABSTRACT

Birch, J.R, D.B. Fissel, D.D. Lemon and R.A. Lake, 1987. Arctic Data Compilation and Appraisal. Volume 14. Northwest Passage: Physical Oceanography - Temperature, Salinity, Currents, Water Levels and Waves. Revised and updated to include 1820 through 1986. Can. Data Rep. Hydrogr. Ocean Sci. 5: 300 p.

This volume is one of a group of catalogues designed to compile and appraise marine data sets for the Canadian Arctic. For user convenience, the group has been organized with its subject matter divided into three general disciplines; physics, chemistry and biology. The Arctic has been arbitrarily divided into seven geographical areas, grouping where possible, major oceanographic regions. The format throughout has been structured to facilitate comparison among subjects and regions. With such a large undertaking it is not possible to provide all reports at once. This present volume deals with physical oceanographic data in the Northwest Passage and is an update of an earlier inventory by Birch et al. (1983). This volume contains an updated 1820-1986 inventory of the physical oceanographic data (temperature-salinity, current-meter, water-level, and waves) for the Northwest Passage.

SOMMAIRE

Birch, J.R, D.B. Fissel, D.D. Lemon and R.A. Lake, 1987. Arctic Data Compilation and Appraisal. Volume 14. Northwest Passage: Physical Oceanography - Temperature, Salinity, Currents, Water Levels and Waves. Revised and updated to include 1820 through 1986. Can. Data Rep. Hydrogr. Ocean Sci. 5: 300 p.

Le présent volume fait partie d'une série de catalogues de compilation et d'évaluation des données sur le milieu marin de l'Arctique canadien. Pour la commodité des usagers, la série de catalogues est divisée en trois grandes disciplines: physique, chimie et biologie. L'Arctique a été arbitrairement divisé en sept régions géographiques regroupant autant que possible les principales régions océanographiques. La présentation a été structurée de façon à faciliter la comparaison entre les sujets et les régions. Toutefois, une telle entreprise ne permet pas de fournir tous les rapports en même temps. Le présent volume porte sur les données océanographiques (température, salinité, courantomètre, niveau de l'eau et vagues) recueillies dans le passage du Nord-Ouest de 1820 à 1986 et constitue une mise à jour d'un inventaire précédent préparé par Birch et al. (1983).

ACKNOWLEDGEMENTS

This is an updated version of the original Northwest Passage physical oceanographic data inventory (Birch et al. 1983). Much of the text in this report is verbatim from the original.

Many people were helpful in providing information. In addition to those who were acknowledged in the original report, we want to thank P. Wainwright of Arctic Laboratories and H. Melling of the Institute of Ocean Sciences for providing information on several of the newly-inventoried data sets.

The data bases of the Marine Environmental Data Service in Ottawa and the National Oceanographic Data Centre in Washington provided much of the early station header information.

Within Arctic Sciences Ltd., D. Gilbert, B. Cann and S. Norton were responsible for word processing and report production, R. Chave for computer programming and D. Stover for drafting.

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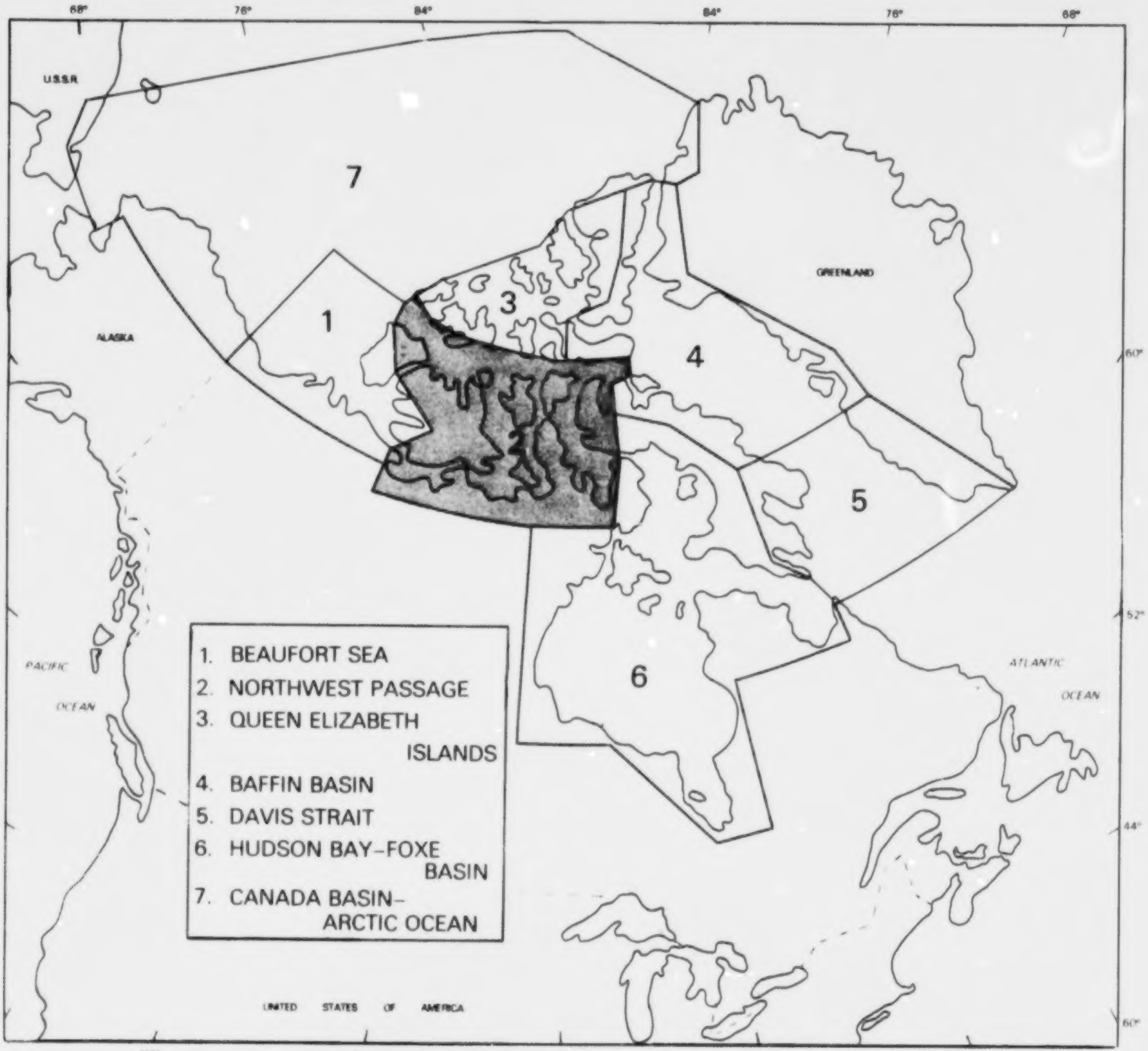
Department of Fisheries and Oceans (DFO)
Office of Energy Research and Development (OERD)
Northern Oil and Gas Program (NOGAP)

ARCTIC DATA COMPILATION AND APPRAISAL

VOLUME 14

NORTHWEST PASSAGE: PHYSICAL OCEANOGRAPHY


U.S.S.R.
7
GREENLAND
3
1
ALASKA
4
5
6
PACIFIC OCEAN
ATLANTIC OCEAN
UNITED STATES OF AMERICA
1. BEAUFORT SEA
2. NORTHWEST PASSAGE
3. QUEEN ELIZABETH ISLANDS
4. BAFFIN BASIN
5. DAVIS STRAIT
6. HUDSON BAY-FOXE BASIN
7. CANADA BASIN-ARCTIC OCEAN
68°
76°
84°
84°
76°
68°
60°
52°
44°
116°
104°
92°
80°
68°

The area covered by this volume is shaded in the map above.

VOLUME 1: Northwest Passage: Physical Oceanography, Temperature, Salinity, Currents, Water Levels and Waves

VOLUME ABSTRACT

This inventory contains a catalogue of physical oceanographic data collected in the Northwest Passage between 1820 and 1986. This is an update of an earlier inventory by Birch et al. (1983). Times and locations of measurements are listed and displayed graphically for temperature-salinity, current-meter, water-level, wave and drifter data. Yearly plots showing the locations of all measurements are included as are indexes by area and measurement type. References and sources are listed for all data included in the inventory.

Key words: Northwest Passage, current, data, inventory, salinity, temperature, tides, water properties, wave.

1. INTRODUCTION

In this report, the physical oceanographic data collected in the Northwest Passage are catalogued. The information provided includes the times and locations of measurements, the parameters measured, and the type of instrumentation. The data themselves are not included, but a source for the data and any reports or references utilizing the data are cited wherever possible. This will enable potential users of the data to determine what is available in their areas of interest, what data were collected using a specific measurement technique, and whether those data may be of value.

This updated version includes recent (1982 - 1986) data not included in the original inventory. The inventory has also been expanded to include wave data. Other data sets, many biological-related and missed by the initial inventory, have also been inserted.

The original inventory contained 132 data sets. In preparing this update, 33 additional data sets have been included.

2. STUDY AREA

The study area (Figure 1) includes about 340 thousand km^2 of waterway, three fourths the size of Baffin Bay. The marine channels of the Northwest Passage are usually ice congested, even in summer, and it was not until 1905 that Roald Amundsen, commanding a thirty-five foot long herring boat, the Gjoa, managed to complete the Passage by sea.

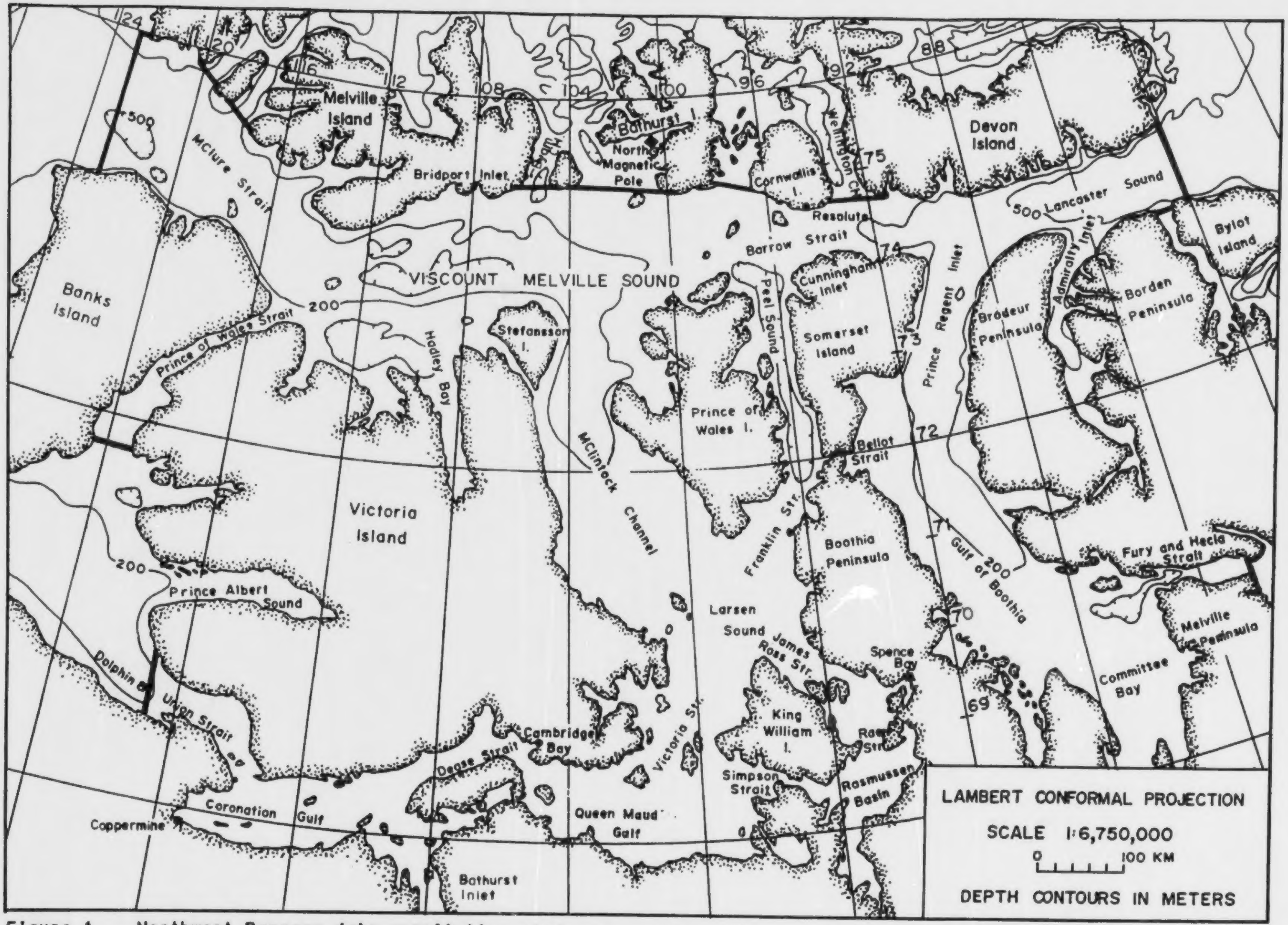

124
120
116
112
108
104
100
96
92
88
75
74
73
72
70
69
500
200
0
Banks Island
Melville Island
Mclure Strait
Bridport Inlet
Bathurst I.
North Magnetic Pole
Cornwallis I.
Wellington Ch.
Devon Island
Lancaster Sound
Bylot Island
Resolute
Barrow Strait
VISCOUNT MELVILLE SOUND
Prince of Wales Strait
Hadley Bay
Stefansson I.
Peel Sound
Cunningham Inlet
Somerset Island
Prince Regent Inlet
Admiralty Inlet
Brodeur Peninsula
Borden Peninsula
Prince of Wales I.
Bellot Strait
M'Clintock Channel
Victoria Island
Franklin Str.
Boothia Peninsula
Gulf of Boothia
Fury and Hecla Strait
Melville Peninsula
Committee Bay
Prince Albert Sound
Larsen Sound
James Ross Str.
Spence Bay
Dolphin and Union Strait
King William I.
Rae Str.
Cambridge Bay
Victoria Str.
Dease Strait
Simpson Strait
Rasmussen Basin
Coppermine
Coronation Gulf
Queen Maud Gulf
Bathurst Inlet
LAMBERT CONFORMAL PROJECTION
SCALE 1:6,750,000
0
100 KM
DEPTH CONTOURS IN METERS

Figure 1. Northwest Passage data compilation study area. Heavy lines mark the boundaries of the data inventory.

PHYSIOGRAPHY

The islands of the Canadian Archipelago represent the exposed parts of the continental shelf which extends north from the mainland. The Canadian Shield, composed of ancient Precambrian rock, makes up the shores of the southern channels, extending up the Boothia Peninsula and Baffin Island. North of here, the overlying rock is primarily composed of sediments which were deposited over the Precambrian basement.

During the last ice age, glaciers extended over much of the area. Upward rebounding of the land after the ice retreated has resulted in widespread areas of raised beaches, except the west coast of Banks Island which appears to be sinking. Scouring from ice is evident in both the surface and submarine topography. For more information, refer to Dunbar and Greenaway (1956).

METEOROLOGY

Characteristic patterns of summer and winter atmospheric pressure indicate a preference for north to northwest winds, with winter winds being stronger. The weaker summer pressure systems generally result in more variable wind directions. Ives and Barry (1974) provide a comprehensive analysis of the Arctic atmospheric conditions.

SEA ICE

New ice generally begins to form in September and quickly consolidates over all but the eastern channels of the Passage. The ice sheet is generally immobile during winter in the restricted channels to the south. In Lancaster Sound and Prince Regent Inlet, significant motions can occur. Recurring polynyas exist in eastern Lancaster Sound and at the eastern end of Bellot Strait (Sterling & Cleator, 1981). Ice in M'Clure Strait has been observed to move in both directions. By mid-May, sa ice has grown to thicknesses of 2 m in most regions. The winter climate is always severe enough that this pattern exists each year, with the major variation being in the thickness of the winter ice sheets.

Summer breakup is much more variable. Some areas clear every summer, others, such as M'Clure Strait, remain congested with the remnants of winter ice. Breakup depends on the air temperature, solar heating, as well as wind and local current conditions. The mean direction of ice drift is to the south and east, coincident with the direction of the main wind and current forcing. For further information, Markham (1981) and Lindsay (1976) are good references.

BATHYMETRY

The channels of the Northwest Passage represent the subsurface portions of the northward extending continental shelf. The greatest depths are found to the east in Lancaster Sound and to the west in M'Clure Strait and Viscount Melville Sound where maximum depths exceed 500 m. These two regions are separated by a sill of about 150 m depth in Barrow Strait. Depths in Prince Regent Inlet shoal from about 365 m where it meets Lancaster Sound to 200 m at the Gulf of Boothia. In the southernmost channels, the waters are relatively shallow, on the order of 50 m, and Queen Maud Gulf and Coronation Gulf in particular are studded with many small islands. The channels to the north of the Passage are shallow as well, typically 120 m deep. Walker (1977) provides more detail.

WATER MASSES

The Northwest Passage system represents a transition zone between Arctic waters to the west and waters of both Atlantic and Arctic influence to the east. Arctic water dominates the upper portions of the water column but undergoes modification due to runoff, ice-melt and solar heating. The general easterly flow of Arctic water is restricted by the shallows of the Passage and only the upper 150 m or so of the Arctic water column moves east. Warmer, more saline Atlantic water is found below the Arctic layer and is generally confined to the depths of eastern Lancaster Sound.

Figure 2 (Collin, 1962b) illustrates the vertical water structure along an east-west transect of Parry Channel. The relatively cold, low salinity Arctic waters extend to about 200 m depth. Below this is warmer, more saline water of Atlantic influence. The surface waters of Lancaster Sound are more saline than those further west because of a contribution of Atlantic water brought to northern Baffin Bay by the West Greenland Current.

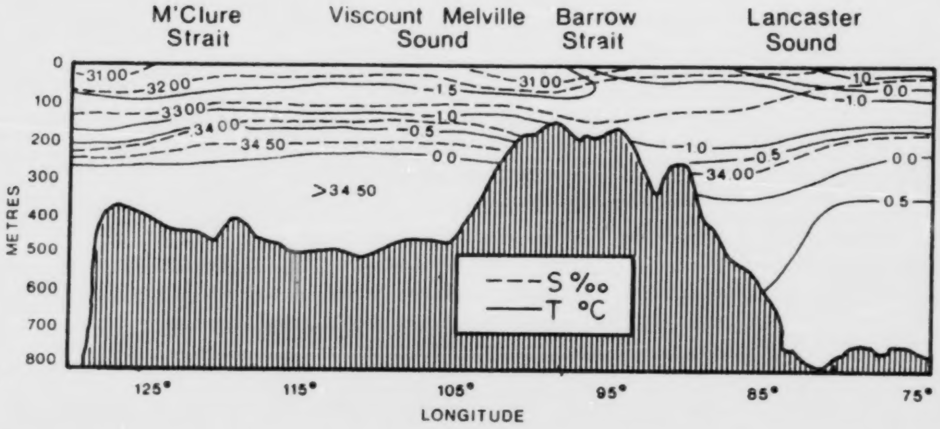


Figure 2: Vertical section of temperature and salinity through Parry Channel (from Collin, 1962b). Based primarily on August-September 1956 and 1957 data.

CURRENTS

It is believed that the general flow of water is from west to east, a result of higher sea levels in the Arctic Ocean. Currents in eastern Lancaster Sound and in restricted channels can be on the order of 100 cm/sec. Mean currents are often weak however, and may be obscured by tidal flows or currents due to meteorological forcing and other sources of variability. As a result, the importance of direct long-term current measurements has become increasingly evident.

TIDES

Tidal ranges in the Passage vary from about 2 m in Lancaster Sound and Fury and Hecla Strait, 1.5 m in Viscount Melville Sound, to about 1 m in the southern regions. The tides are semi-diurnal in character but can have considerable inequality in the heights of successive high and low waters (Dohler, 1964). Even though the tidal ranges are not overly large, significant tidal currents can result due to restrictions of the many narrow passages.

3. HISTORICAL DATA

Non-native exploration of the area dates back to the eleventh century when Icelandic and possibly Norse adventurers reached northern Baffin Bay. In 1616, Bylot and Baffin reached Lancaster Sound, the main entrance to the Northwest Passage. Other European explorers followed but their efforts were directed more at finding a route to the Far East than at obtaining scientific data. Data collected by Sir John Ross in 1818 represent some of the first oceanographic data in this area. His crew obtained sub-surface temperature data in eastern Lancaster Sound (Ross, 1819, Prestwich, 1875). The data are crude by today's standards however, and have not been included in the inventory. Some of the others who followed also took soundings and crude temperature measurements. Although actual records are sparse, the explorers obviously gained much knowledge of the nature of the currents and tides of the region. Tracks of ice-beset vessels, as early as 1849, indicated an easterly flow along the south side of Lancaster Sound. It was not until 1905 that Amundsen completed the Passage by sea. Between 1913 and 1918, the Canadian Arctic Expedition made tidal measurements. Dawson (1920) mentions a current meter being included in the expedition's equipment, however he does not indicate that any current measurements were actually taken.

The inhospitability of this arctic region seriously hindered scientific exploration. It was not until the mid 1950's that significant amounts of oceanographic data were collected (Figure 3). These data sets were collected mainly for scientific/military research, by the Canadian and American governments, primarily using the Canadian Coast Guard vessel Labrador. The Labrador cruises were partly intended to "show the flag" and lend more basis to Canada's claim to the north. Oceanographic effort waned in the early 1970's. The burst of activity beginning in the mid to late 1970's resulted from the need for environmental data by government and industries interested in exploiting the regional resources.

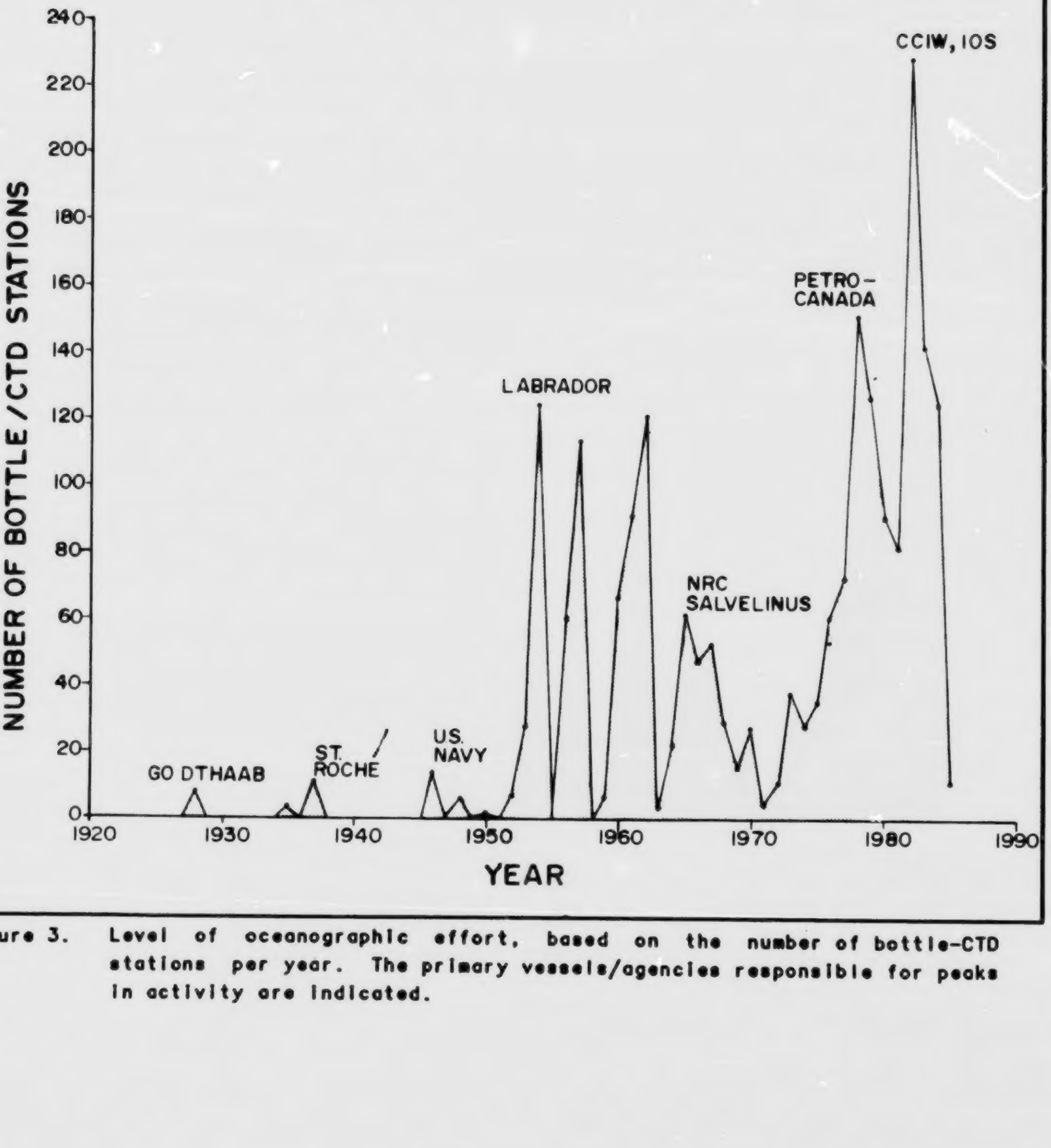


Figure 3. Level of oceanographic effort, based on the number of bottle-CTD stations per year. The primary vessels/agencies responsible for peaks in activity are indicated.

4. GENERAL REPORT LAYOUT AND USER INSTRUCTIONS

4.1 DATA SETS

The data are organized in sets, where each set consists of data of a common type, usually taken on a single expedition or cruise by a single institution or organization. In some cases, where similar methods were used, more than one cruise has been assigned to the same data set. In those cases, letter suffixes have been used to differentiate different cruises. Thus, unless otherwise noted, all the data within a single set may be assumed to have been collected in a uniform manner and should conform to a common standard of measurement.

Each data set has been assigned an identification number of the form yy-nnnn, where yy = last 2 digits of the year in which data were collected and nnnn = order of identification for that particular data set, for that year. The data-set number is a unique identifier which applies throughout the entire series of inventories; any set identified, for example, as 72-0009 is the same data set no matter where the reference to it is made. Gaps may appear in the sequence of data-set numbers in this inventory for a particular year, because each data set will not appear in every discipline and geographical area.

The identification numbers are often accompanied by the vessel and/or agency involved. Usually the agency refers to the one responsible for data collection, as this is often a better indicator of data quality than the name of the group which funded the project.

4.2 INVENTORY ORGANIZATION

Table 1 (Section 8) lists all the data sets in the inventory in order of data-set number. It provides a summary description of each set including the times, areas and methods of measurements. Table 1 also gives a listing, not necessarily complete, of concurrent measurements from other disciplines.

Geographical and measurement type indexes are in Section 10. The subareas in the geographical index are shown on the maps in Figures 1a and 1b. Section 10 also contains an index of references, ordered by data-set number. It is primarily an index of data reports, although ancillary papers analyzing or discussing the data are listed if they came to our attention.

Measurement locations are plotted in a series of maps in Section 9. Five different maps, all in Lambert Conformal Conic projection, have been used to plot stations. In most cases, the overall map of the entire study area is used, along with one or more of the larger-scale maps. The coastlines have been smoothed, and small islands removed, to avoid clutter. Map specifications and a key to the symbols on the maps are presented at the beginning of Section 9.

Detailed listings of the times and locations of individual measurements are in Section 11. There is a separate listing for each data type. The format of the listings is explained at the beginning of Section 11.

Data sets were rated according to the criteria in Section 5. The ratings are included in Table 1. Appendix 1 contains comments explaining the reasons for low ratings, and any other pertinent remarks concerning the data. The comments are ordered by data-set number.

Section 6 contains a general description of the extent of the data available in this area. Sections 6.1 and 6.2 describe their geographical and seasonal distribution. Section 6.3 tabulates instances of repeated measurements in the same area and groups data-sets where measurements were carried out simultaneously, in different areas, or by different agencies.

4.3 SAMPLE USE OF THE INVENTORY

A typical use of the inventory might be as follows:

1. Examine the maps in Section 9 for measurements during the year(s) of interest, and note the data-set number of interest.
2. Refer to Table 1 to find the dates, measurement methods, accuracies and data sources.
3 If more specific information is required concerning the timing or location of individual measurements in the set, refer to the header listings in Section 11.
4. Consult the reference index in Section 10 for works referring to or using the data.

5. DATA RATING AND APPRAISAL

5.1 TYPES OF DATA

5.1.1 BOTTLE CAST DATA

These data consist of temperature and salinity measurements at discrete depths (ideally the international standard depths) obtained by means of reversing thermometers and sampling bottles. Temperature accuracies of ±0.01°C may be achieved by averaging two or more carefully read, well-calibrated thermometers. Some investigators have used hydrometers (±0.2°/oo) and refractometers (±0.5°/oo) for the determination of salinity. Up to 1960 salinity was usually obtained by titrating water samples drawn from the bottles; replicate titrations in the hands of a good operator could yield results precise to ±0.01°/oo. In the 1960's, salinometers measuring salinity via the conductivity of the sample replaced titrations. A precision of ±0.003°/oo can be obtained with the better instruments, although in the past, systematic errors of ±0.02°/oo or more could be introduced by variations in the standard water used to calibrate the instruments. New international standards for salinity should eliminate the latter source of error (Lewis, 1980).

5.1.2 CTD DATA

CTD data are produced by in-situ profiling instruments variously called STD (salinity-temperature-depth), STP (salinity-temperature-pressure), CTD (conductivity-temperature-depth) or CTP (conductivity-temperature-pressure) profilers. Fundamentally, all are CTP devices; the variations in output and name depend solely upon the degree of internal data processing. All instruments perform the same basic function of measuring (more or less continuously) temperature and conductivity as a function of depth. The precision achievable with such devices depends upon the individual instrument. The best are capable of a precision of ±0.005°C and ±0.005°/oo, although accuracy in salinity, until recently, was limited to approximately ±0.02°/oo because of the inconsistencies in salinity standards and definitions (Walker and Chapman, 1973).

5.1.3 BATHYTHERMOGRAPH

The bathythermograph (BT) is a thermo-mechanical device which measures water temperature as a function of pressure. Its information is recorded as a trace, on a smoked-glass or gold-coated slide, which can be read to an accuracy of ±0.2°C and ±2 m depth if the instrument is well calibrated. The BT was widely used in conjunction with bottle casts but has largely been superseded by the CTD. XBT's are the expendable variety. BT data have not generally been compiled, unless they were accompanied by other physical oceanographic measurements.

5.1.4 SELF-RECORDING CURRENT METERS

By the 1970's, oceanographers could practically and reliably place and recover self-recording current meters in the water column. Meters of this type generally record internally on magnetic tape (in some models photographic film or paper charts are used), or telemeter the data to a ship or to a shore receiving station. They generally provide time series of current speed and direction, and may have other sensors (for measuring temperature, pressure or conductivity) as well. Current speed and direction are usually measured by one of two methods: either by a propeller or rotor for measuring speed and a vane for direction sensing, or by the measurement of two orthogonal components of the current flow. Current components may be measured by dual-orthogonal propellers, or by electromagnetic or acoustic sensors. Directional reference is usually provided by a magnetic compass. Commonly used instruments employing the propeller and vane system are the Aanderaa, HydroProducts, Endeco and AMF (vector-averaging) current meters; those employing the component-measuring system are the Cushing and Marsh-McBirney instruments (electromagnetic), the Neil Brown (acoustic), and the Davis-Weller (orthogonal-propeller) instruments.

The precision and accuracy of current meters depend both on the design of the instrument, and on the environment in which it is used. Serious problems may be encountered if rotor-type meters are used in the wave zone. Calibration drift and sensor fouling can interfere with satisfactory operation of electromagnetic and acoustic sensors. The sampling frequency and integration period selected for the meter can also affect the accuracy of the record. In the Canadian Arctic, special problems in direction measurement are encountered when using any type of current meter because of the proximity of the magnetic pole. Directional accuracies are generally degraded unless the current meter is oriented by rigid moorings to a fixed surface.

5.1.5 PROFILING CURRENT METERS

These current meters provide a series of point measurements of current speed and direction at several depths throughout the water column. Meters used for this purpose are generally of the propeller or rotor and vane design. Measurements usually are taken through the ice or from an anchored ship in shallow water. In water too deep for anchoring, a very good positioning system is required to correct for ship movements. Unless repeated profiles were taken so as to form a time series, this type of data was not generally catalogued.

5.1.6 RADAR OR AIRCRAFT-TRACKED DRIFTERS

This type of drifter usually consists of a float (with or without a drogue) and a radar reflector or visual marker. These devices can be tracked visually or by radar from shore or from a ship or aircraft. The accuracies achievable depend upon the tracking system used, and can be very good if a sophisticated system is available. Data of this type are often limited in their coverage in space and time, and may have gaps resulting from bad weather.

5.1.7 SATELLITE-TRACKED DRIFTERS

Satellite-tracked drifters are a comparatively recent invention, dating from the early 1970's. Widespread use of these devices began after the launch of the Nimbus VI satellite carrying the Random Access Measurement System (RAMS) in 1975. In early 1979, the TIROS-N satellite was launched, activating Service ARGOS which is now used to track all such devices.

Both RAMS and System ARGOS compute position from the Doppler shift of a signal transmitted from the buoy to the satellite. On each pass of the satellite, the position (and any other data being measured) is received and sent to a ground facility where the data are processed. Both the RAMS and ARGOS systems produce positional accuracies of approximately ±2 km.

5.1.8 SATELLITE IMAGES

Polar-orbiting satellites have been used to provide images based on the visible and thermal infrared radiation received by the air-borne sensors. The thermal images are particularly useful in the Northwest Passage for mapping ice concentrations during winter when it is too dark for normal images. This type of satellite-derived data is not inventoried here.

5.1.9 WATER-LEVEL GAUGES

Water-level data are produced mainly by visual observation of tide staffs, by mechanical shore-mounted float-type gauges, or by bottom-mounted pressure gauges. Some early data consist only of observations of the times of high and low water levels. Pressure gauges may be self-contained, or they may consist of a pressure sensor connected to a shore-mounted recording device. The mechanical gauges record by means of a pen on chart paper. The data are usually digitized at hourly intervals, resulting in a record with a resolution of approximately ±1 cm, and an accuracy of the order of ±5 to 10 cm. The resolution of the bottom-pressure gauges varies from a millimetre to a centimetre, depending upon the instrument type and range. Sampling intervals generally vary between 5 and 60 minutes. Bottom pressure gauges generally record total pressure, atmospheric plus hydrostatic. In order to extract the water level fluctuations due to changing atmospheric pressure (i.e. the inverted barometer effect), the atmospheric pressure must also be recorded. The Canadian Hydrographic Service (CHS) has collected most of the water-level data.

Water levels are referenced to the elevation of a nearby benchmark of known elevation. Therefore different data sets may be compared in an absolute sense as long as they are referenced to the same benchmark. Water level data from different areas, referenced to different benchmarks, cannot be compared absolutely, since the relative elevation changes between different benchmarks is generally not known. One can determine a long-term average for each record and compare fluctuations about this average; however it is not yet possible to compare the average long-term water level heights at sites referenced to different benchmarks.

5.1.10 WAVE RECORDERS

There are three basic types of wave-measuring devices for measurement from a single point:

a) Surface-piercing instruments. These are fixed relative to the water level and measure surface motion using various methods such as the change in capacitance of a vertical wire.

b) Pressure-measuring devices. Ocean waves produce measurable pressure fluctuations beneath them which, under proper conditions, can be related to wave height.

c) Instruments which measure the vertical acceleration of the water surface. When integrated twice in time, the vertical acceleration yields sea-surface elevation relative to the mean.

In shallow water, types a) and b) are generally used, whereas type c) is more suited to deeper waters. The only known wave-data in the Northwest Passage have been obtained using Waverider acceleration-type buoys. This buoy, manufactured by Datawell of the Netherlands, follows the movement of the water surface and measures the vertical acceleration. Datawell specifies maximum errors of 1.5% (0.065 to 0.5 Hz range) and deviations from the zero of less than 0.5 m.

Surface following buoys are subject to damage and loss due to ice in the Northwest Passage. Recently in the Beaufort Sea there has been more effort in obtaining wave data using bottom mounted pressure sensors such as those manufactured by Sea Data. While these instruments must be located within 15-20 m of the surface, they do have an advantage by being away from the hazardous surface environment. These instruments also often record tidal and temperature data.

5.2 DATA RATING SCALE

5.2.1 RATING DEFINITIONS

The data appraisal in this inventory is intended to provide the reader with an indication of the quality of each data set and its suitability for comparison with other data sets. The appraisal was based primarily on documentation describing the methods used in collecting and processing the data and the investigator's estimate of their precision, accuracy and utility. Subsequent analyses of the data were also taken into account, e.g. if errors were found in a particular data set during a subsequent analysis, and the results were published, these results were used in the assessment. Note that a thorough appraisal, requiring investigation of the data and comparisons with other data sets, is beyond the scope of this report. In effect, in most cases we took the investigator's word for the quality of his data.

The information from the sources above was used to assign a numerical rating to each set. The rating system has five levels, defined as follows:

0: Data were found to be wrong.

1: Data are suspect and probably not internally consistent; trends or patterns within the data are not likely real.

2: Data quality could not be determined due to insufficient support documentation.

3: Data are internally consistent - patterns or trends within the data themselves are probably real, but comparison with other data sets may pose problems.

4: Data are internally consistent and exhibit sufficient standardization that comparison with other 4-rated data should be possible.

The reasons for data sets receiving less than a 3 or 4 rating are provided in the comments of Appendix 1.

5.2.2 ASSIGNMENT OF RATINGS

0 RATING

A data set received a 0 rating if serious deficiencies in technique, or significant systematic errors, occurred. A 0 rating was also assigned if the documentation of the data set lacked essential information (e.g. the positions and times of measurements) which no longer exists.

For example, some data sets contain conductivity measurements but not temperature. Since it was not possible to compute salinity from this information, the data sets received ratings of 0.

1 RATING

A data set received a 1 rating if, either as part of a data report or in subsequent analysis and examination, the original or other investigators questioned the validity of the data without pinpointing specific errors. In general, a 1 rating was assigned if a data set exhibited an atypical distribution of values, or indicated unlikely physical processes, but contained no obvious errors. Such data sets require careful examination before use.

2 RATING

Ratings of 2 were given to data sets for which it was not possible to carry out an appraisal. Such cases include:

(i) Proprietary data, whose existence is known, but about which no details are available.

(ii) Data sets for which we were unable to obtain documentation but know that data were collected. These data sets are identified and wherever possible the title of the documentation is provided.

3 RATING

Data received a 3 rating if they were internally consistent within the precision of the methods used to collect the data. Precision refers to the degree of random fluctuation experienced when a measurement is repeated many times, while accuracy is the departure of the measurement (or the mean of a series made under controlled conditions) from the true value. Because oceanographic data are normally taken without replication and under uncontrolled conditions, data taken with instruments of a certain precision will have the same (or poorer) level of accuracy. An exception is the case of a series of temperature-salinity measurements taken within a water body of stable, well-defined characteristics, in which case the mean of the series could provide a measurement more accurate than the precision.

Ratings of 3 were given to all data sets for which no evidence of errors beyond the precision given in Table 1 was found, but which did not satisfy each of the criteria required for a rating of 4 (see below). This is based on data reports and other publications; the actual data were not checked further. In some instances, the instrument and/or precision and accuracy were unknown, but the collecting agency used standardized methods; these data sets were generally awarded a 3 rating when there was no evidence suggesting deficiencies in the data.

Caution should be exercised when comparing two sets of 3-rated data, as their levels of precision may be quite different. The reader should consult both Table 1 and Appendix 1 for precision and error information.

4 RATING

Data received a rating of 4 if: they were measured to the precision available with modern methods described in Section 5.1; they had no evidence of systematic or other errors recorded in the documentation; and they were obtained using measurement instrumentation, methodology and techniques which provide data that can be related to national or international standards.

Since standards tend to change, ratings of 4 were only grudgingly awarded. In many cases, ratings of 3 were assigned because of lack of time and/or sufficient documentation to be certain that a rating of 4 was warranted. Some of these ratings may merit an increase to 4 after further study of the data has been made.

Of all the physical oceanographic data that were inventoried, the bulk of the data is temperature/salinity measurements. Until the early 1960's, water samples were collected by bottle cast and salinities were determined by titration. During most of the 1960's, salinities were generally determined using conductivity bridges. From the late 1960's on, instruments which measured conductivity and temperature in situ (CTDs) became the standard. Salinity was then computed from the temperature and conductivity values.

CTDs with increased resolution have revealed gradations in salinity where previous chemical analyses indicated homogeneous water. Since both bottle and CTD data may have ratings of 3, caution must be used in any comparison.

Salinity determination depends on a standard. In the past this was 35^{o}/oo Copenhagen water. However, variability in the standard and in the calibration of the instrumentation often resulted in systematic errors of $\pm 0.2^{o}$/oo or more.

A new, practical salinity scale has recently been adopted (Lewis, 1980). A conductivity ratio is measured (the conductivity of the unknown to that of a standard laboratory-produced sample) and waters of the same conductivity ratio at a given temperature and pressure are then defined to have the same salinity. This reduces systematic errors in salinity. However, most of the historical data remains subject to a $\pm 0.2^{o}$/oo accuracy limitation.

Current-meter data were judged by the instrument characteristics, response, and the deployment methods. The main causes of low ratings are directional errors and contamination by mooring motion and wave-orbital velocities.

6. SUMMARY OF DATA COVERAGE

6.1 SPATIAL COVERAGE, INCLUDING DATA DISTRIBUTION MAPS

BOTTLE/CTD

Figures 4a (pre 1970) and 4b (1970 on) are plots of all temperature/salinity (TS) stations within this study area, from 1928 to 1986 inclusive. Parry Channel (Lancaster Sound, Barrow Strait, Viscount Melville Sound and M'Clure Strait) and Prince of Wales Strait received the most scientific attention. Station concentration is greatest in Barrow Strait. This is due to the field programs of CCIW and IOS conducted during the late 1970's and early 1980's. About half of the water which flows from the Arctic Ocean, south and east into Baffin Bay, passes through Barrow Strait. This, and the fact that Parry Channel is literally the Northwest Passage through which most marine traffic between the Beaufort Sea and Baffin Bay travels, is why most oceanographic sampling has been concentrated there. Most of these data were collected by government agencies. A major exception is the extensive data collected by Arctic Sciences Ltd. for Petro-Canada Ltd. in Lancaster Sound as part of an environmental survey.

Lesser amounts of data have been collected in the southern portions of the study area, primarily prior to 1970.

CURRENT METER

The distribution of current meter (CM) data (Figure 5) is similar to that of bottle/CTD; however even less current data were obtained in the southern portion of the study area, with the exception of Fury and Hecla Strait and Dolphin and Union Strait. Most of the current data are post 1970; the earlier data are generally current profiles and not from moored instruments.

WATER LEVEL

Water-level (WL) data sampling sites (Figure 6) are more uniformly distributed than bottle/CTD and current meter, although again Parry Channel has the highest concentration. Nearly all the data have been collected from temporary shore installations, with the exception of the permanent stations at Resolute, Cambridge Bay, Spence Bay and Coppermine.

WAVE

Only two wave data sets are known to have been collected within this area. Both were obtained in 1976, one in Barrow Strait and the other in Lancaster Sound (Figure 7).

6.2 SEASONAL COVERAGE, INCLUDING BI-MONTHLY MAPS

BOTTLE/CTD

The monthly distribution of bottle-CTD stations is bi-modal with peaks in March-April and August-September (Figure 8). The March-April peak results from the relatively favourable conditions of adequate light

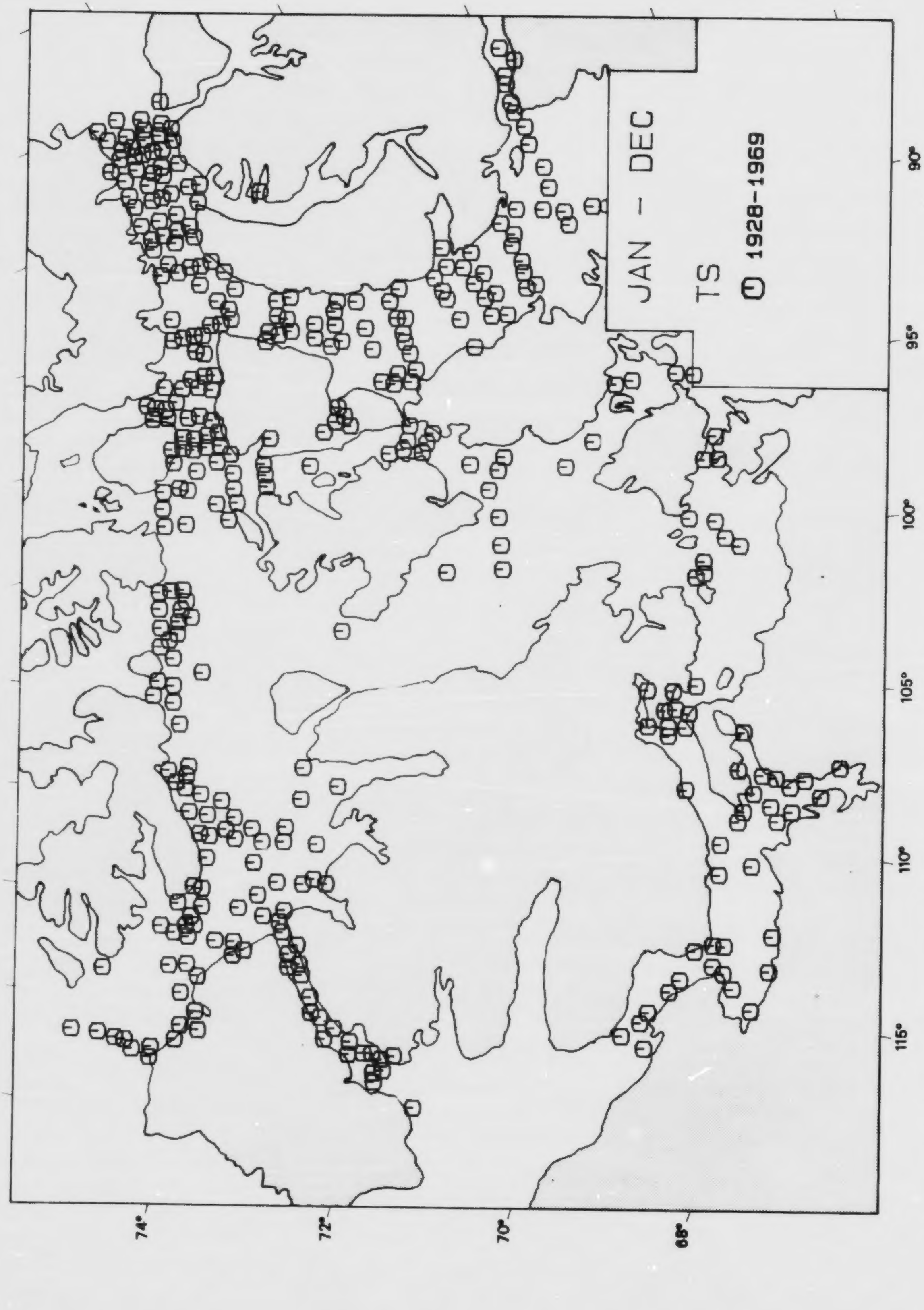

JAN - DEC
TS
1928-1969
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

Figure 4a. The locations of all temperature-salinity (TS) measurements made prior to 1978 (886 stations.)

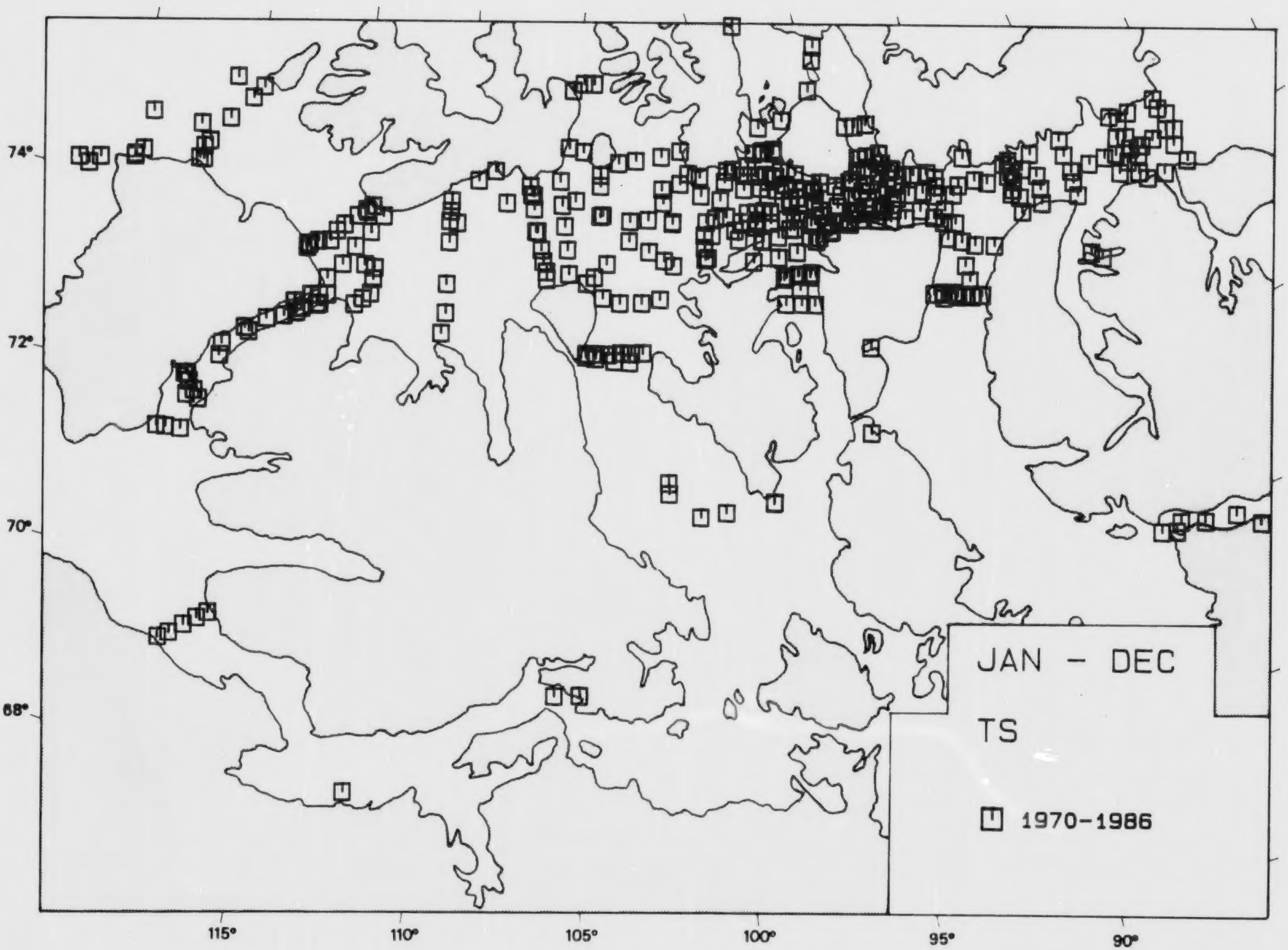

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
JAN - DEC
TS
1970-1986

Figure 4b. The locations of all temperature-salinity (TS) measurements made during 1970-1985 (1226 stations).

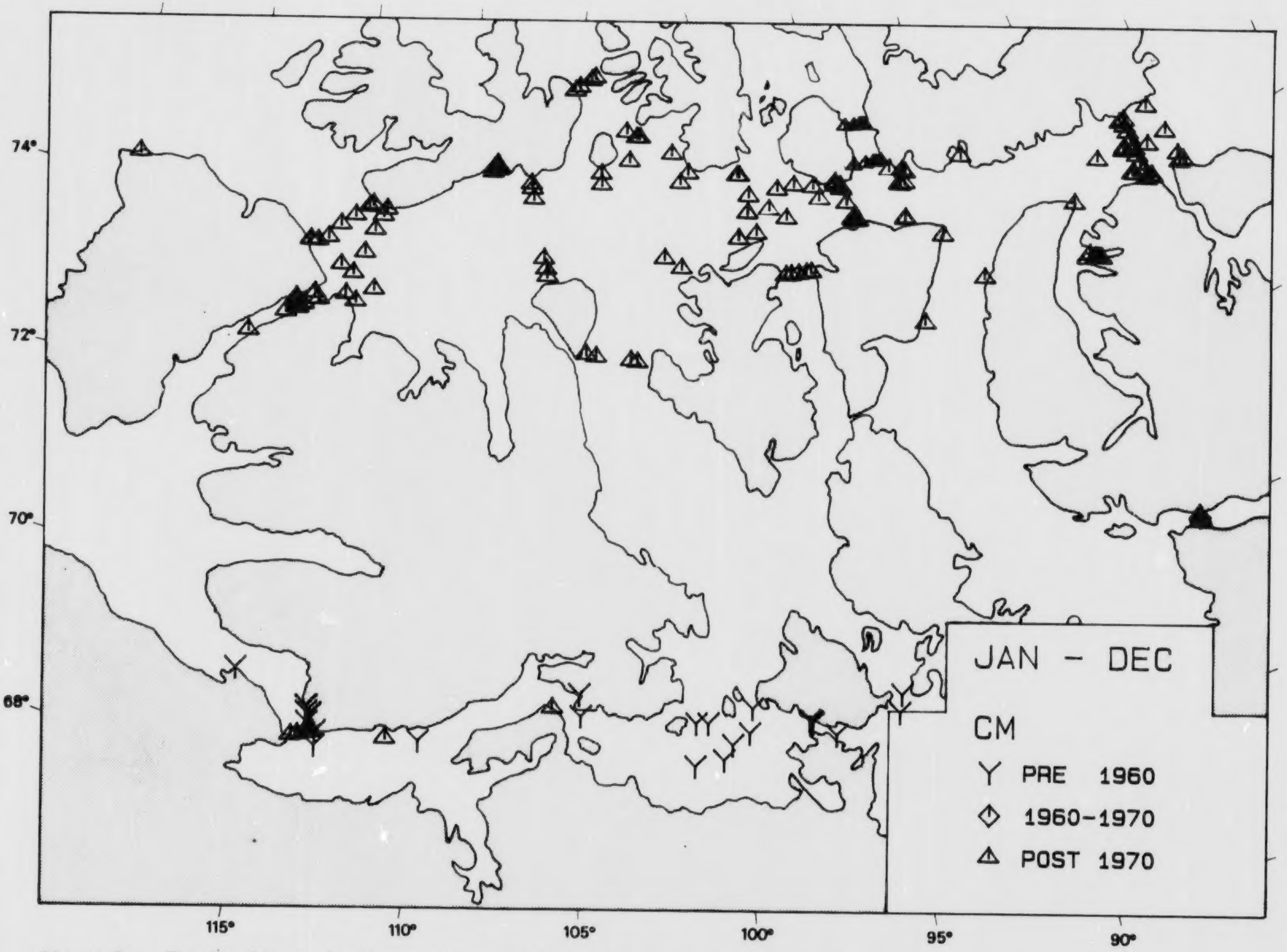

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
JAN - DEC
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 5. The locations of all current-meter (CM) measurements (282 records).

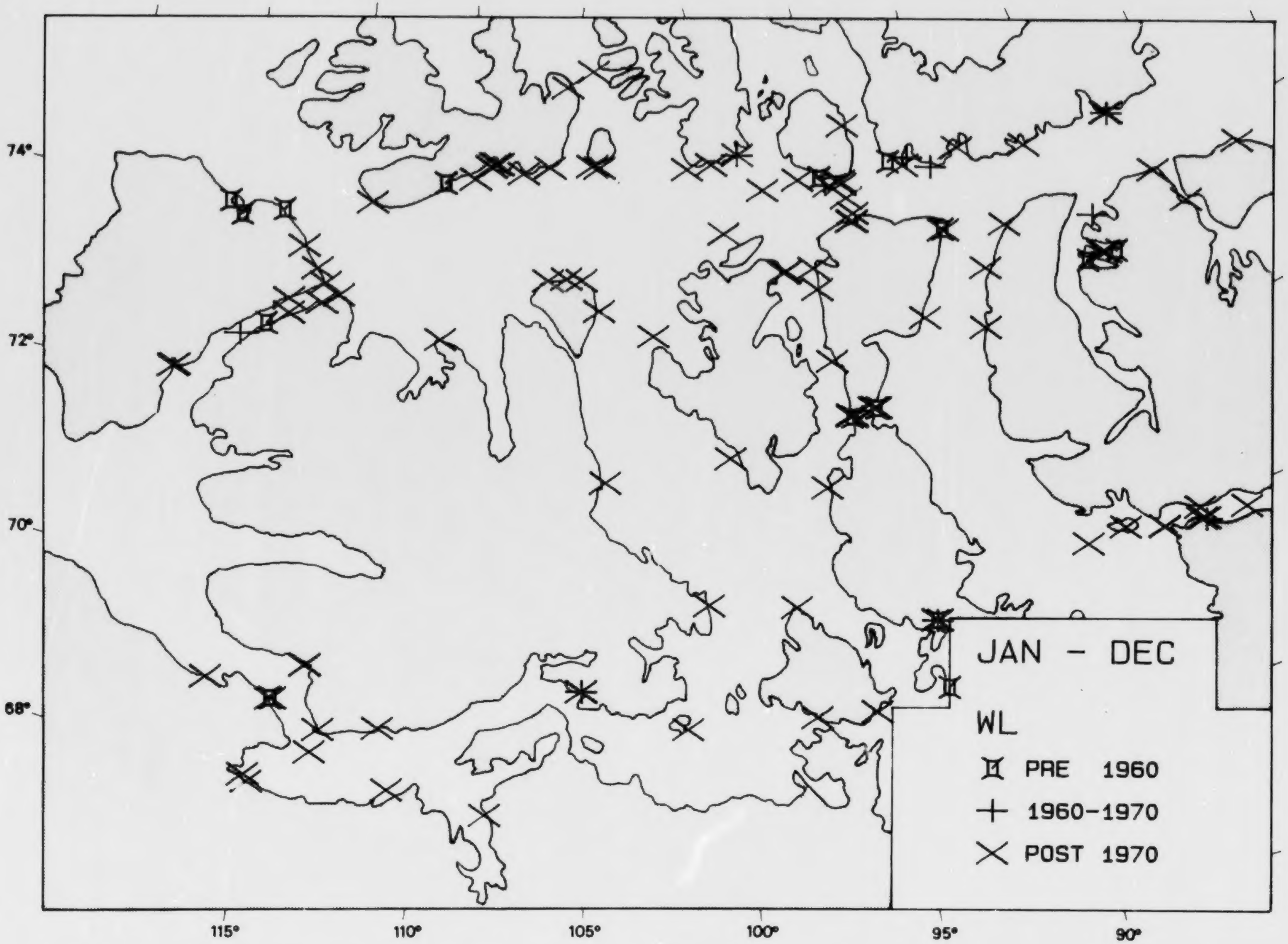

JAN - DEC
WL
PRE 1960
1960-1970
POST 1970
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 6. The locations of all water-level (WL) measurements (149 records).

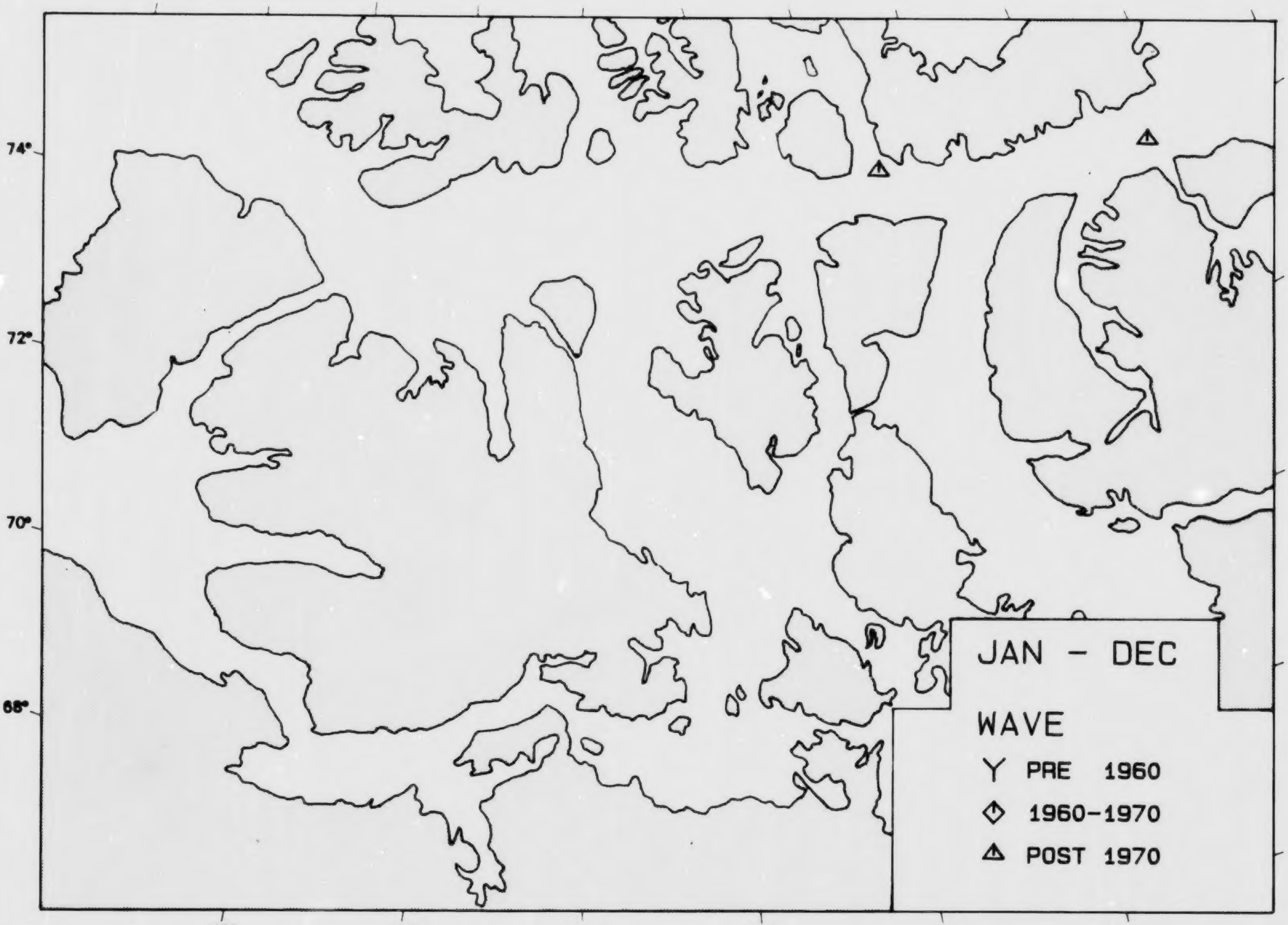

JAN - DEC
WAVE
Y PRE 1960
1960-1970
POST 1970
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 7. The locations of all wave measurements (2 records).

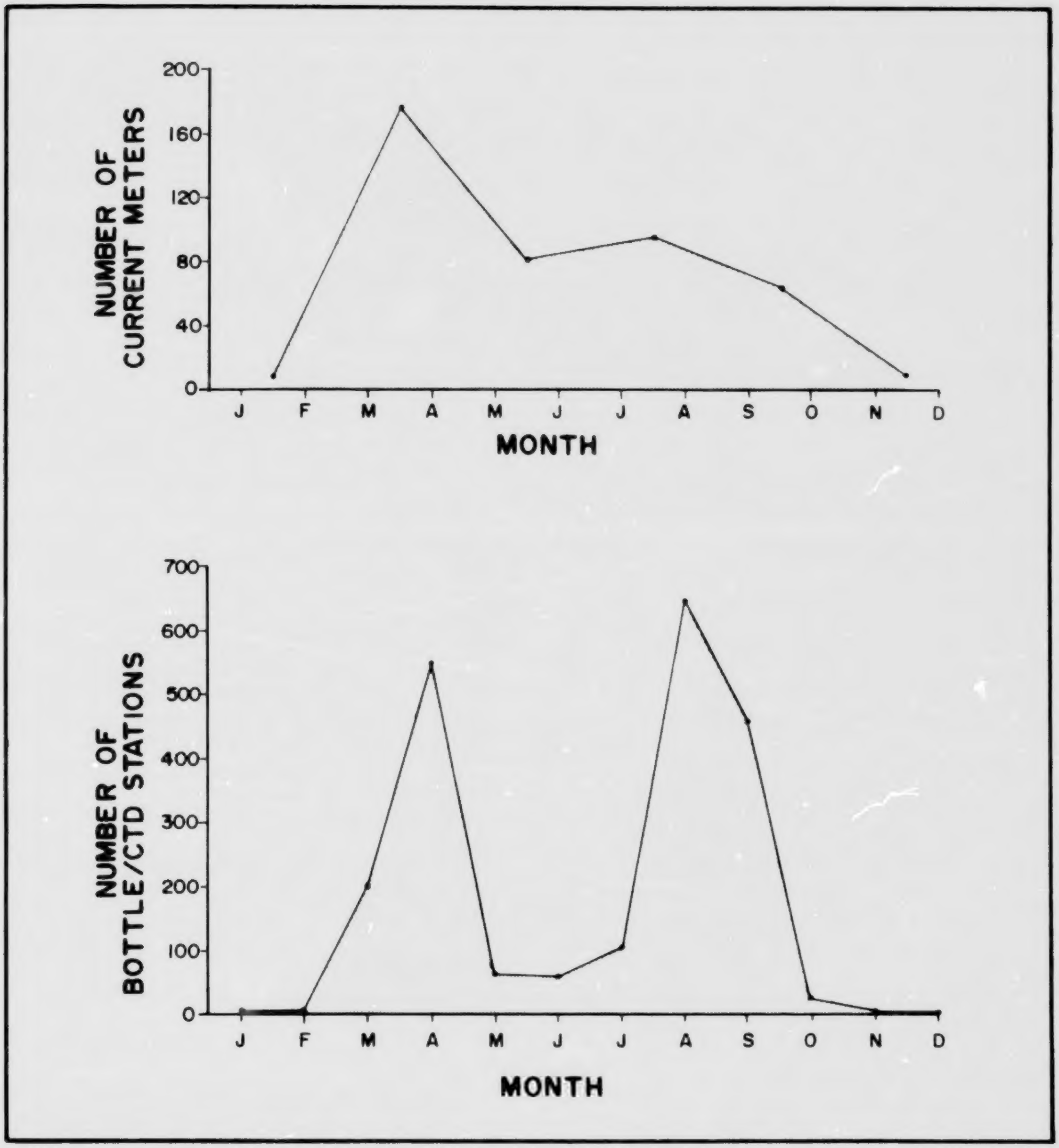


Figure 8. Monthly distribution of bottle-CTD stations (lower) and current deployments (upper), all years.

and stable ice platforms (before spring breakup), whereas the August-September peak is due to the minimum ice conditions most favourable for ship work. There is a conspicuous lack of water mass information during winter (October-February) and spring breakup (May-July). The bottle/CTD stations are presented as bi-monthly plots in Figure 9. The locations of TS profile data (bottle or CTD) are split as to pre and post 1969. TS data from moored instruments are located on the maps using a star-like symbol.

CURRENT METER

The monthly distribution of current-meter data (Figure 8) is also bimodal, although skewed toward the spring. This results from the relative ease with which current meters can be moored from the ice before break-up. The secondary peak in July-August largely represents current meters deployed during open water conditions. Bi-monthly plots of current meter data are presented in Figures 10a-f. The early, pre 1960, stations in the southern areas during July-August (Figure 10d) are mostly current profiles.

WATER LEVEL

The distribution of water-level data is not quite as seasonal as that of bottle/CTD and current-meter (Figures 11a-f). This is because once the tide gauge is installed, it can often be left for long periods unattended.

WAVE

The only known wave measurements were made during July-September in Lancaster Sound and August in Barrow Strait (Figures 12a-b). Both data sets are from 1976. Ice conditions made the collection of the Lancaster Sound data very difficult. Waverider buoys were used at both sites.

6.3 SYNOPTIC DATA SETS AND EXTENDED TIME SERIES

SYNOPTIC DATA SETS

In some years, the existence of two or more data sets collected at the same time provides a combined data set with near-synoptic coverage over a relatively large area. Data sets were considered near-synoptic if their measurements periods overlapped significantly. The combined data sets may improve coverage within a given area, extend coverage to a larger area, or allow comparison of simultaneous processes in different areas. The table below lists near-synoptic data sets by year and general area of coverage.

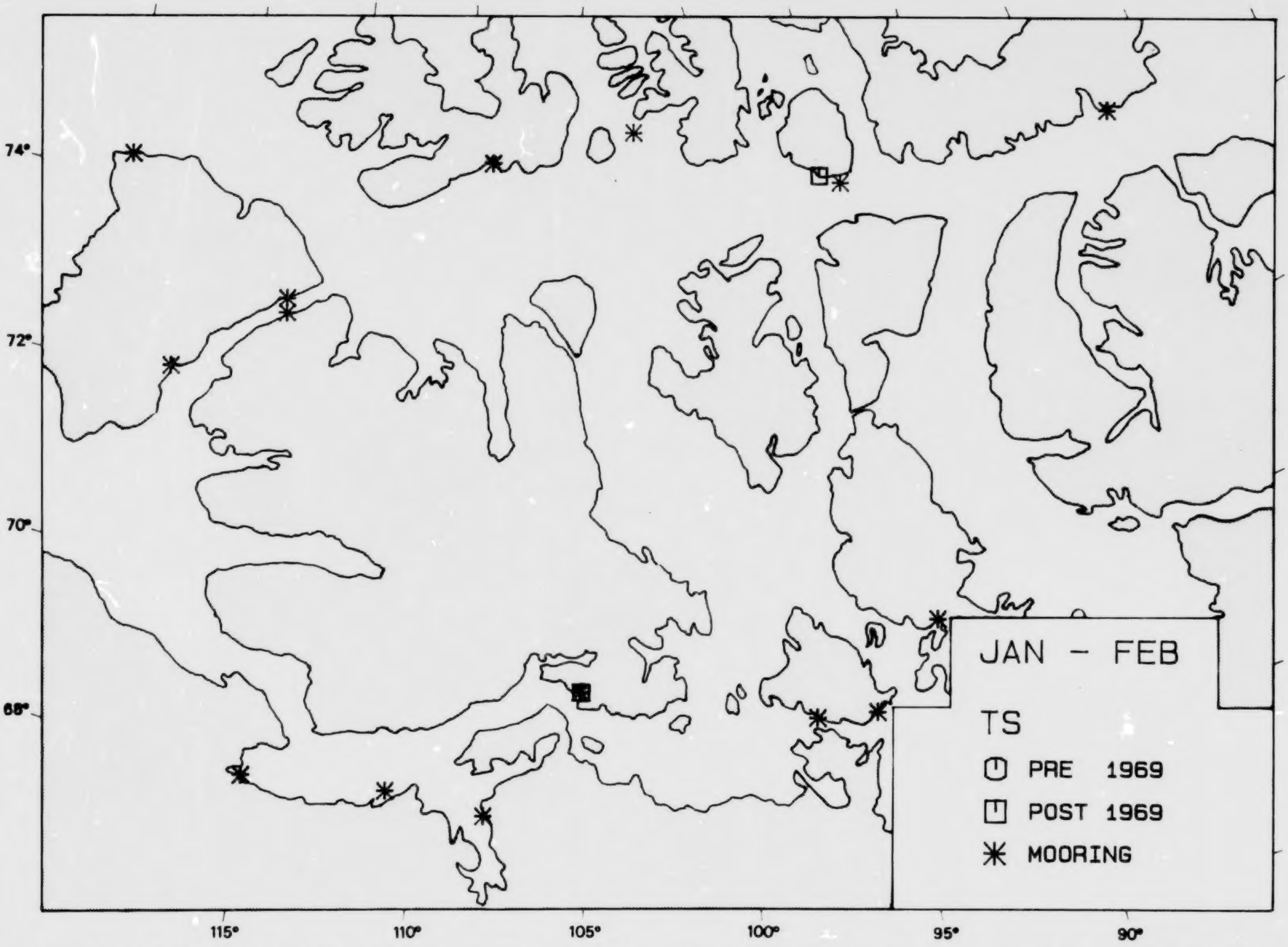

JAN - FEB
TS
PRE 1969
POST 1969
MOORING
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 9a. The locations of temperature-salinity (TS) data collected during the January-February period, all years (17 stations). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation (17) are located on the map using a star-like symbol.

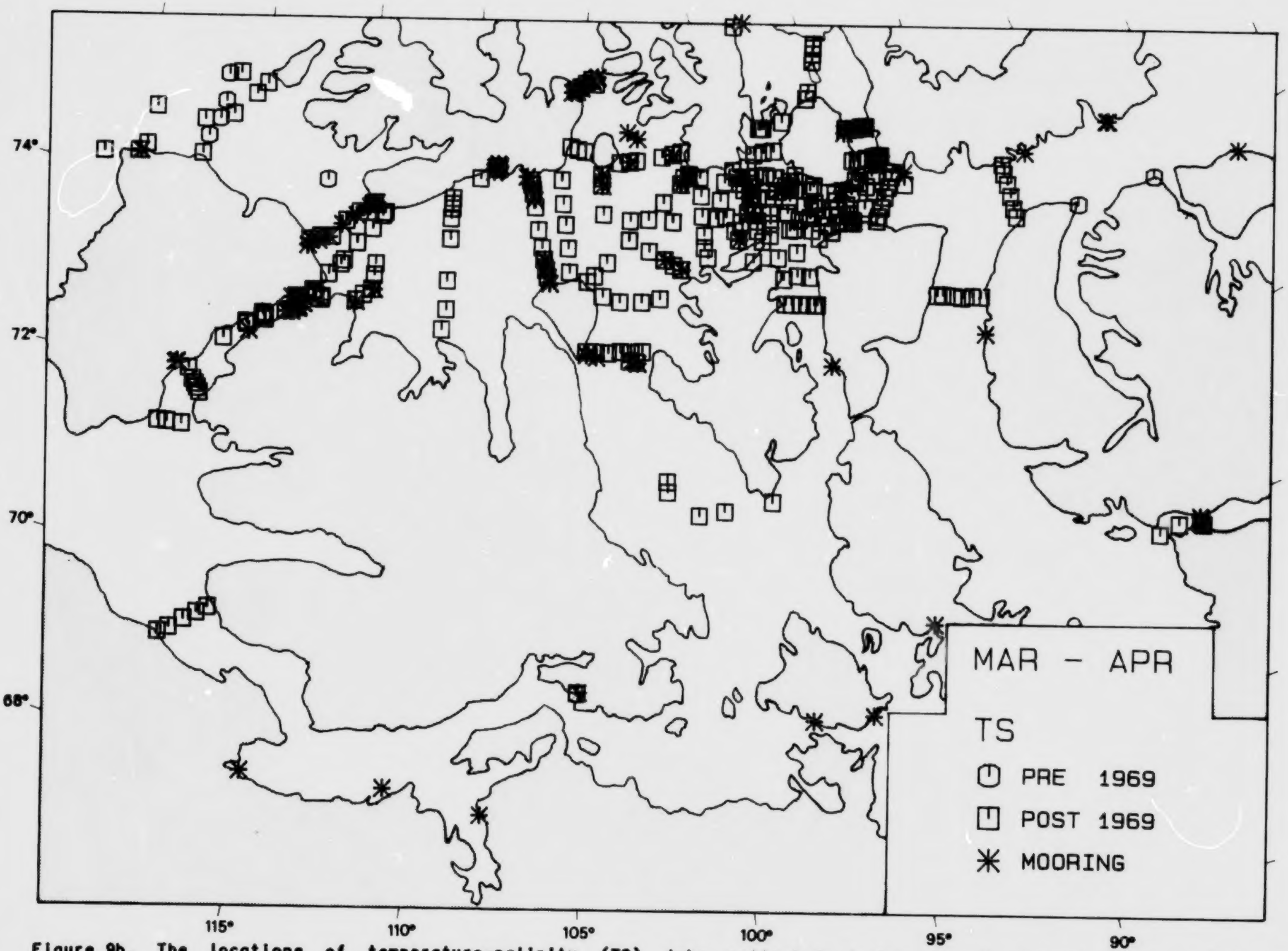

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
MAR - APR
TS
PRE 1969
POST 1969
MOORING

Figure 9b. The locations of temperature-salinity (TS) data collected during the March-April period, all years (793 stations). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation (108) are located on the map using a star-like symbol.

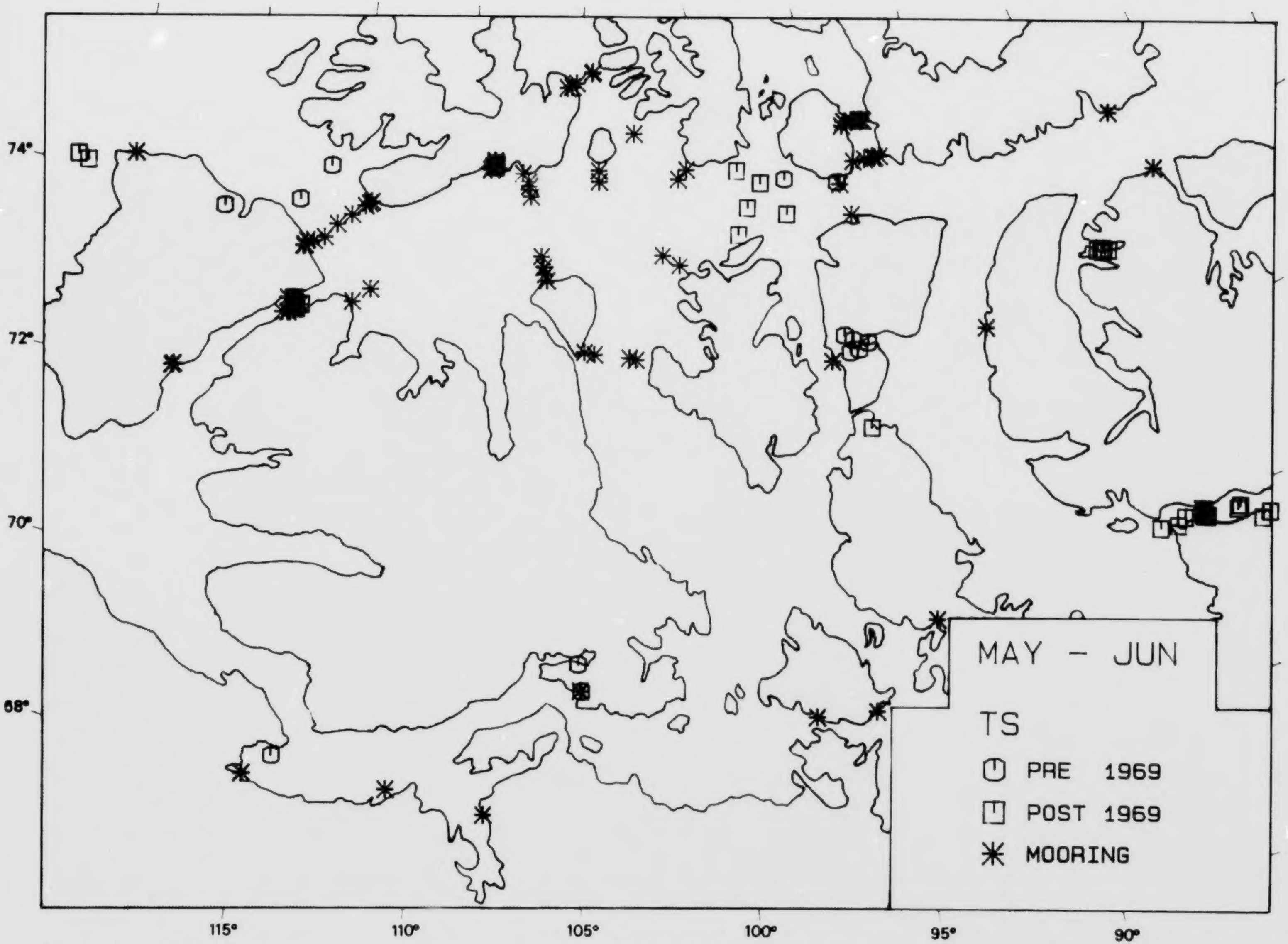

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
MAY - JUN
TS
PRE 1969
POST 1969
MOORING

Figure 9c. The locations of temperature-salinity (TS) data collected during the May-June period, all years (142 stations). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation (84) are located on the map using a star-like symbol.

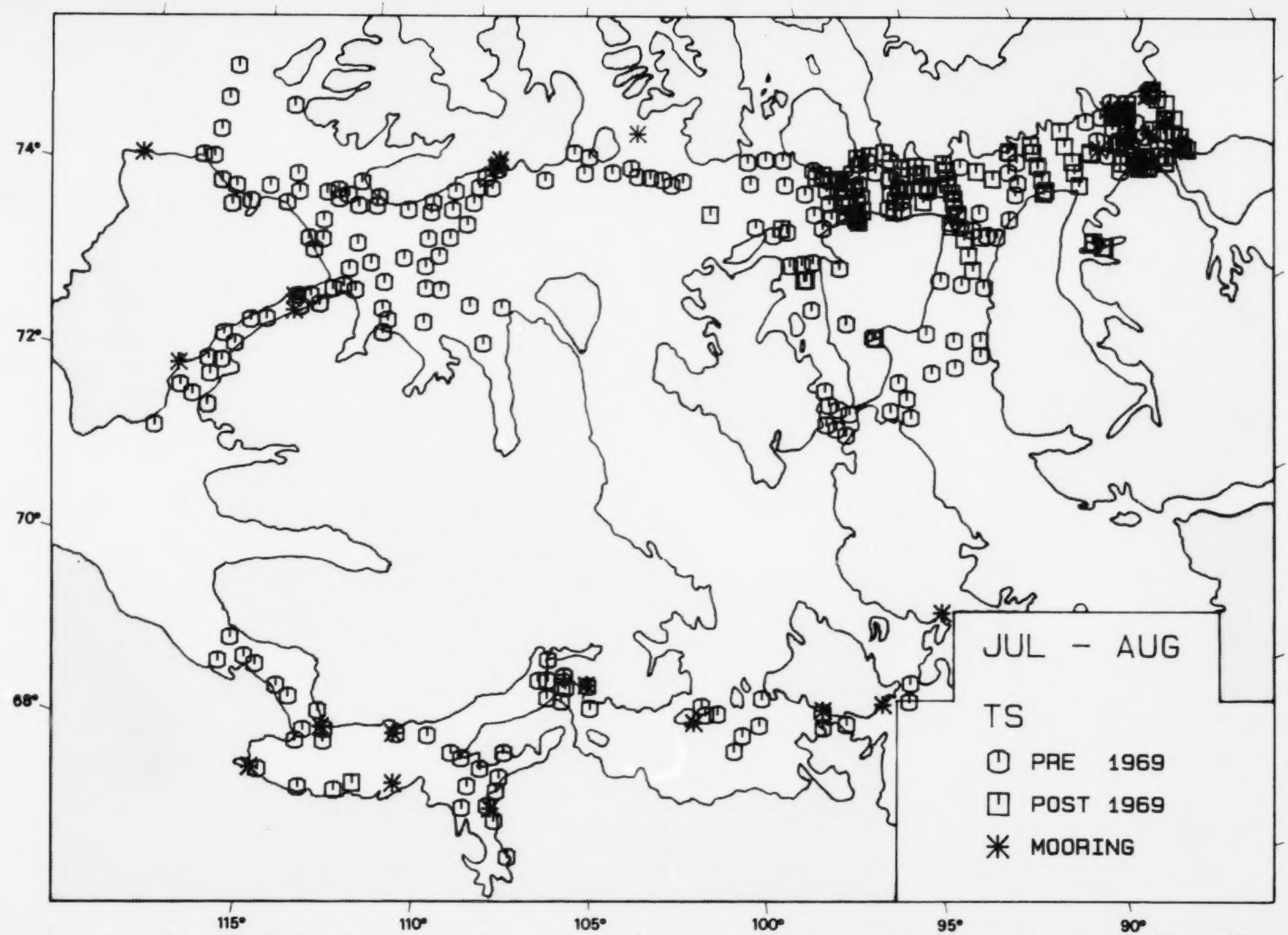

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
JUL - AUG
TS
PRE 1969
POST 1969
MOORING

Figure 9d. The locations of temperature-salinity (TS) data collected during the July-August period, all years (779 stations). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation (36) are located on the map using a star-like symbol.

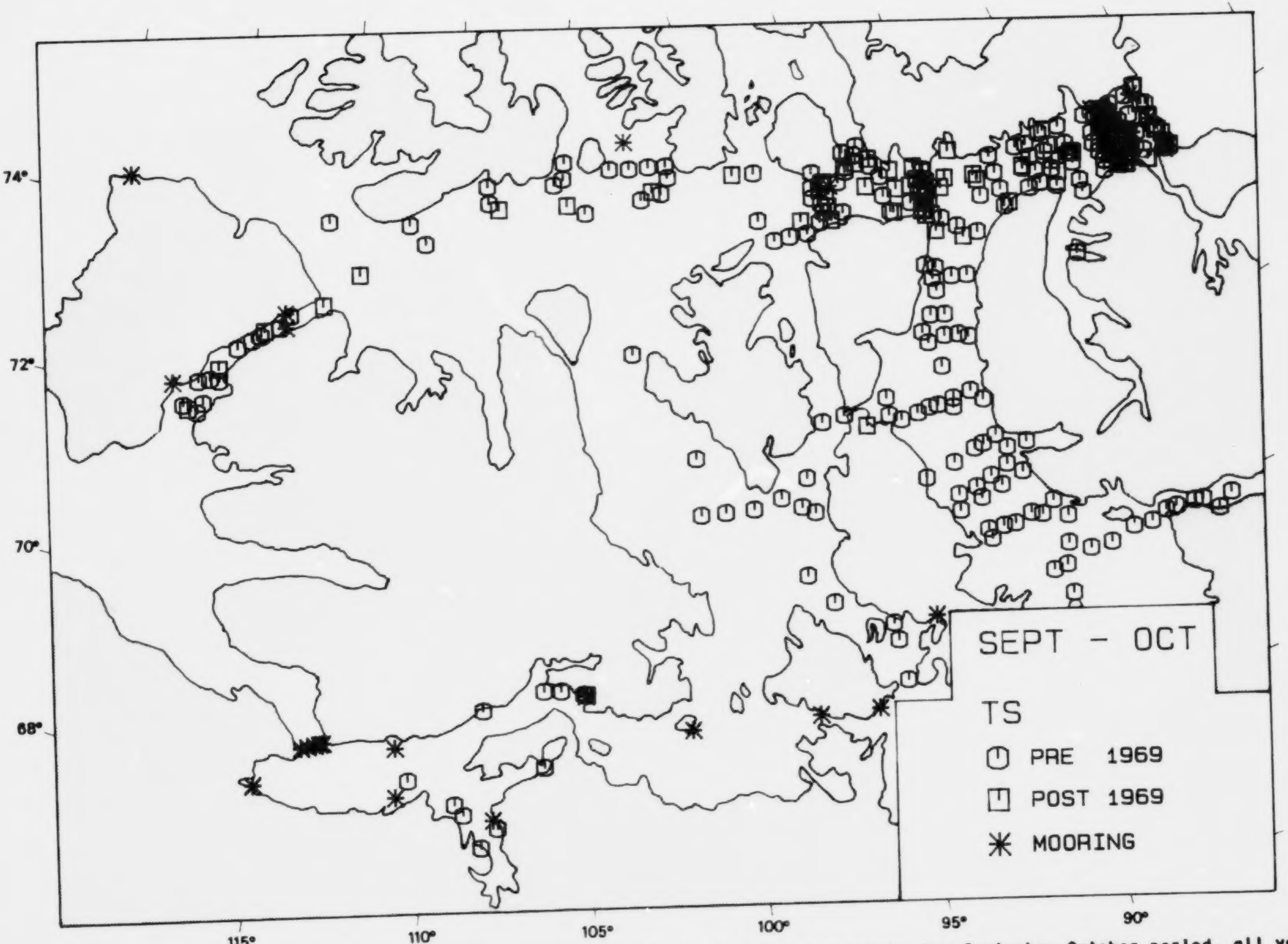

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
SEPT - OCT
TS
PRE 1969
POST 1969
MOORING

Figure 9e. The locations of temperature-salinity (TS) data collected during the September-October period, all years (513 stations). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation (36) are located on the map using a star-like symbol.

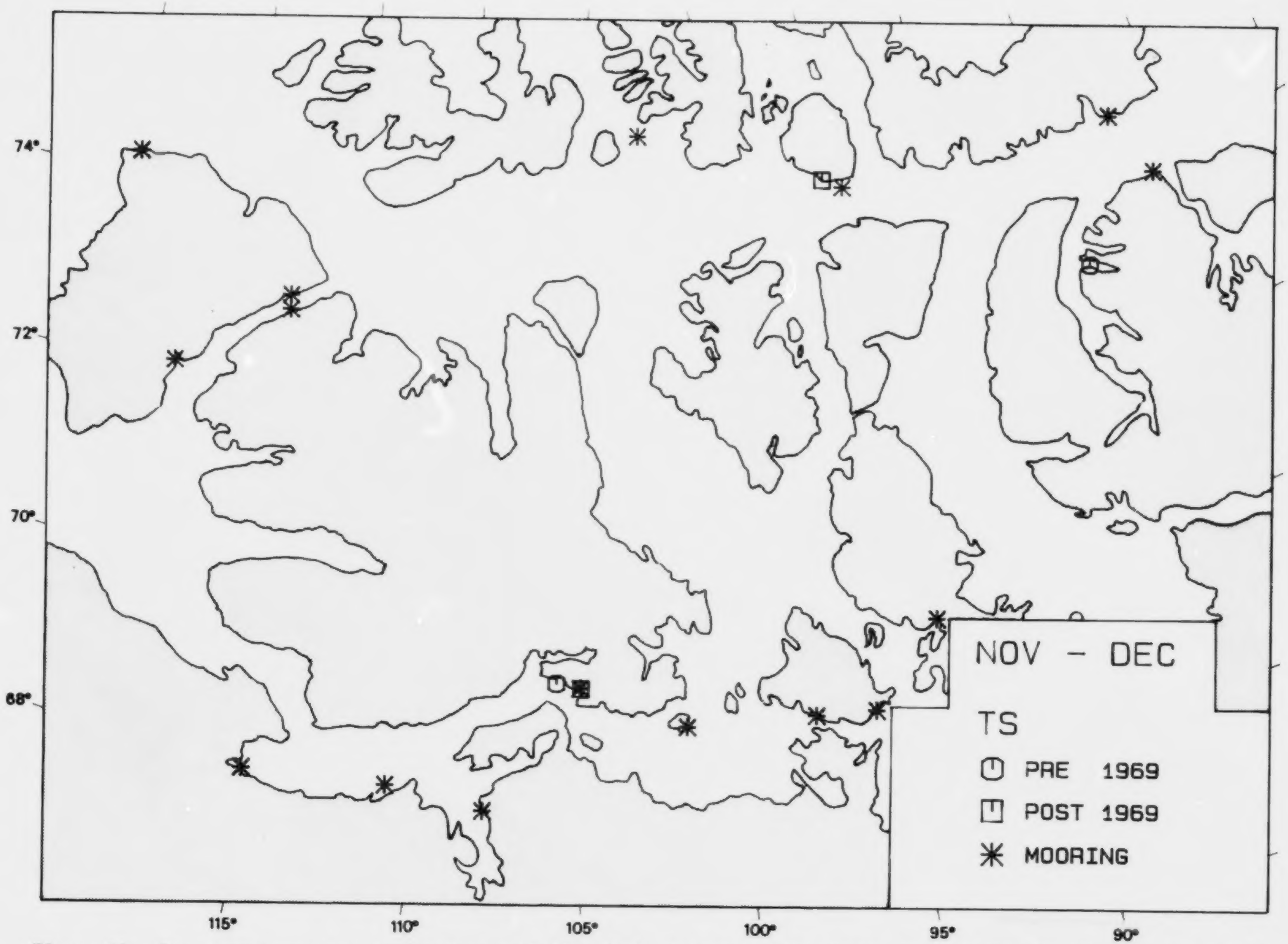

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
NOV - DEC
TS
PRE 1969
POST 1969
MOORING

Figure 9f. The locations of temperature-salinity (TS) data collected during the November-December period, all years (18 stations). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation (18) are located on the map using a star-like symbol.

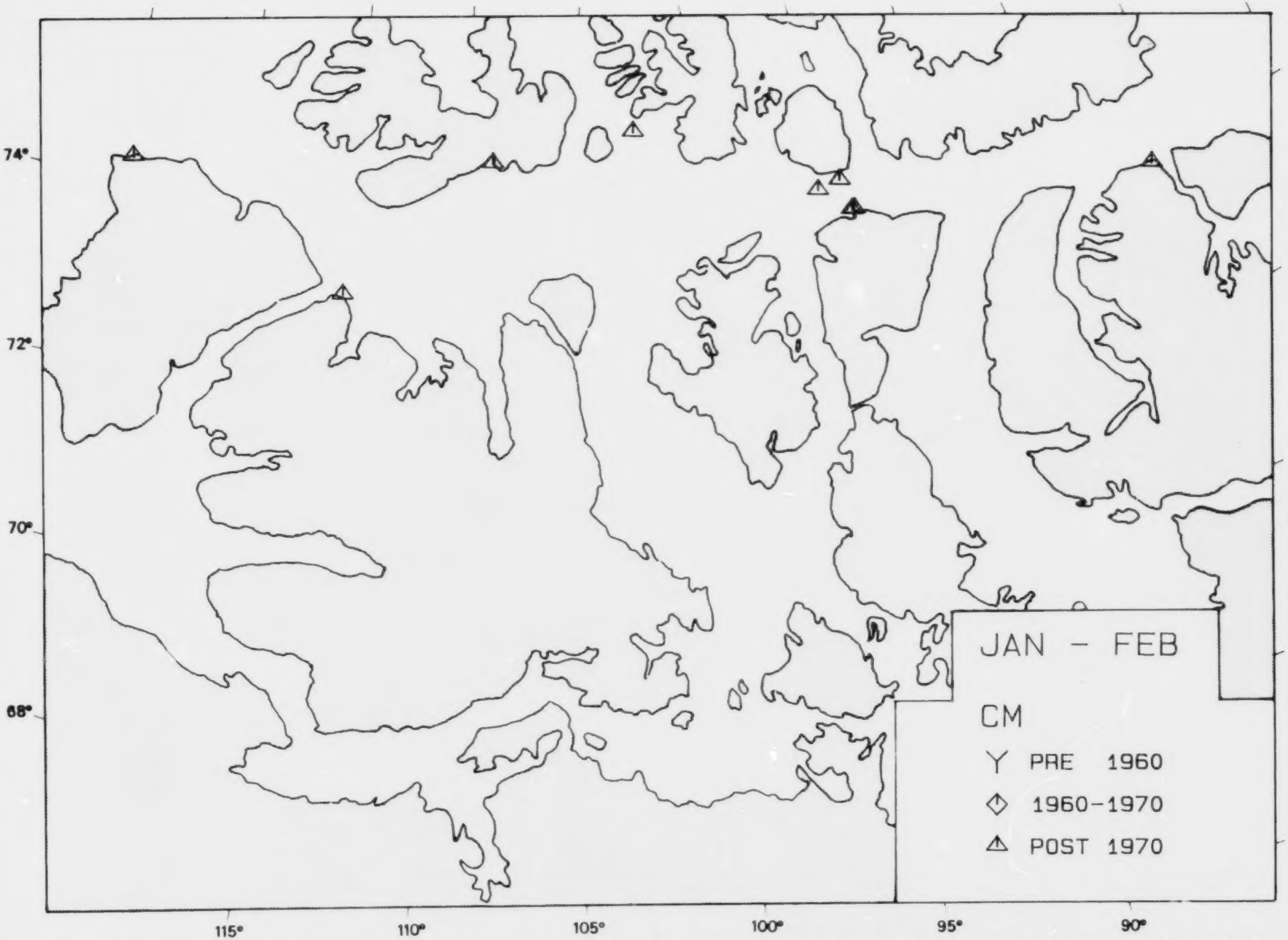

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
JAN - FEB
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 10a. The locations of all current-meter (CM) stations in place during the January-February period, all years (22 stations).

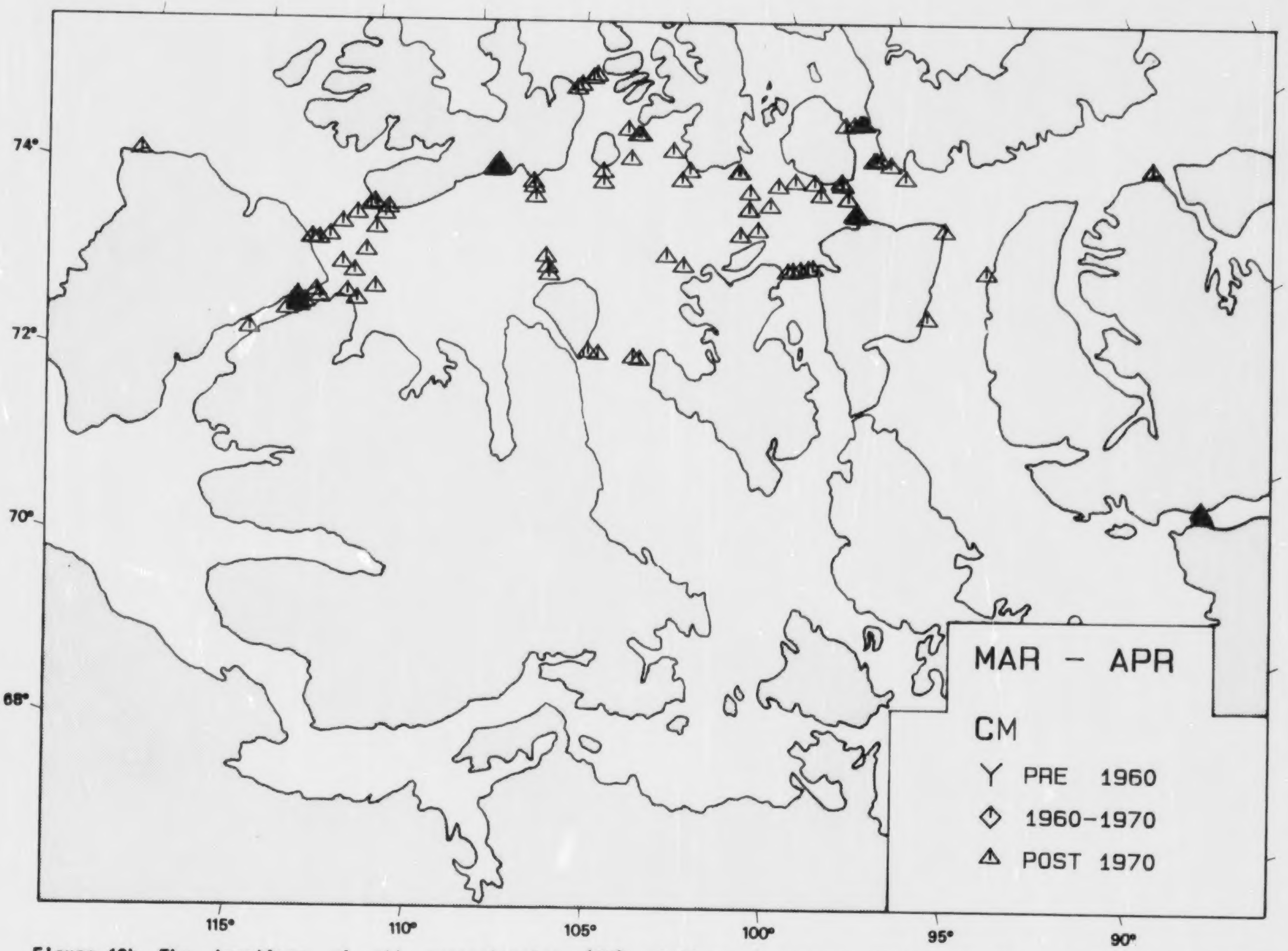

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
MAR - APR
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 10b. The locations of all current-meter (CM) stations in place during the March-April period, all years (187 stations).

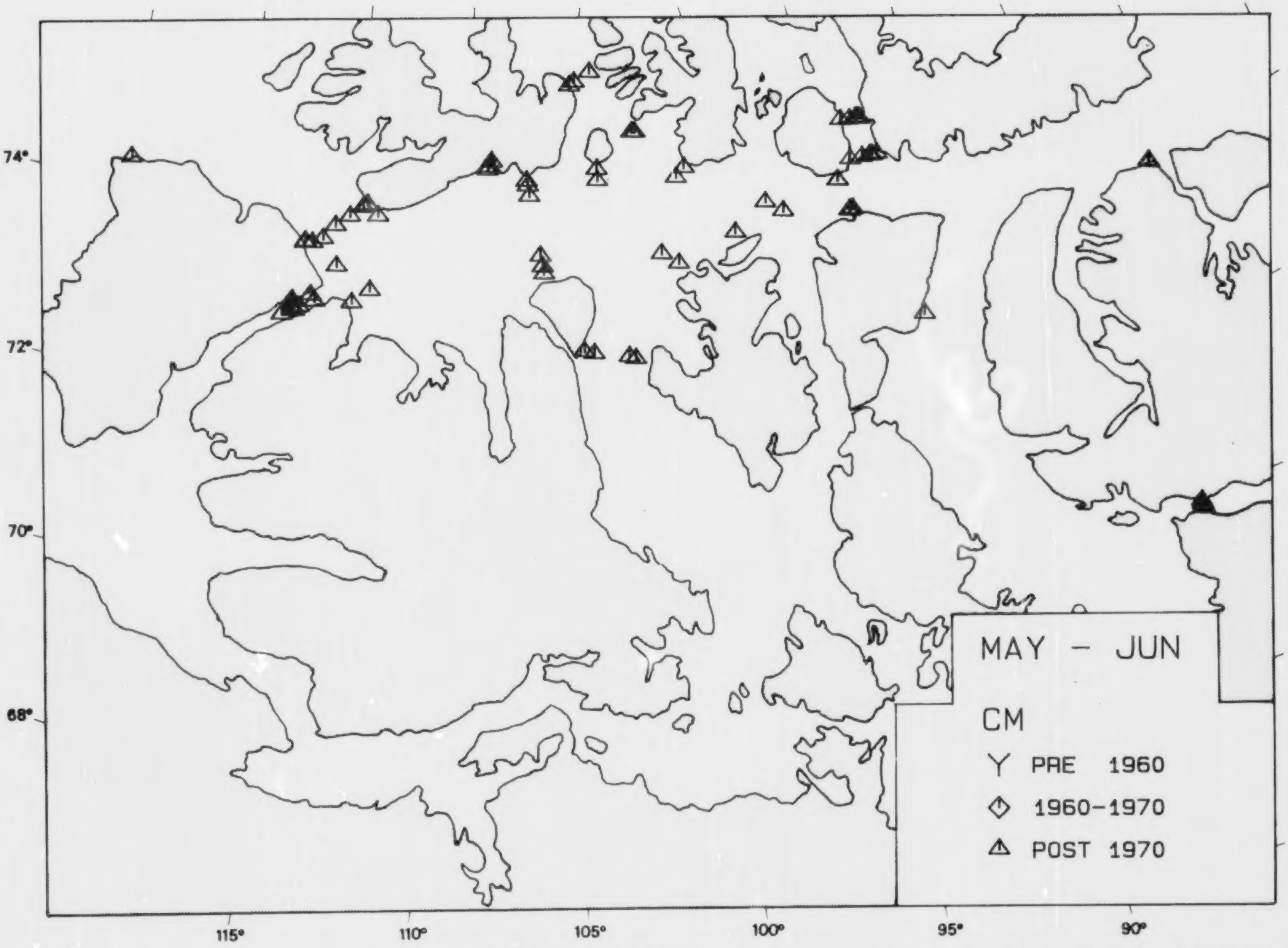

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
MAY - JUN
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 10c. The locations of all current-meter (CM) stations in place during the May-June period, all years (99 stations).

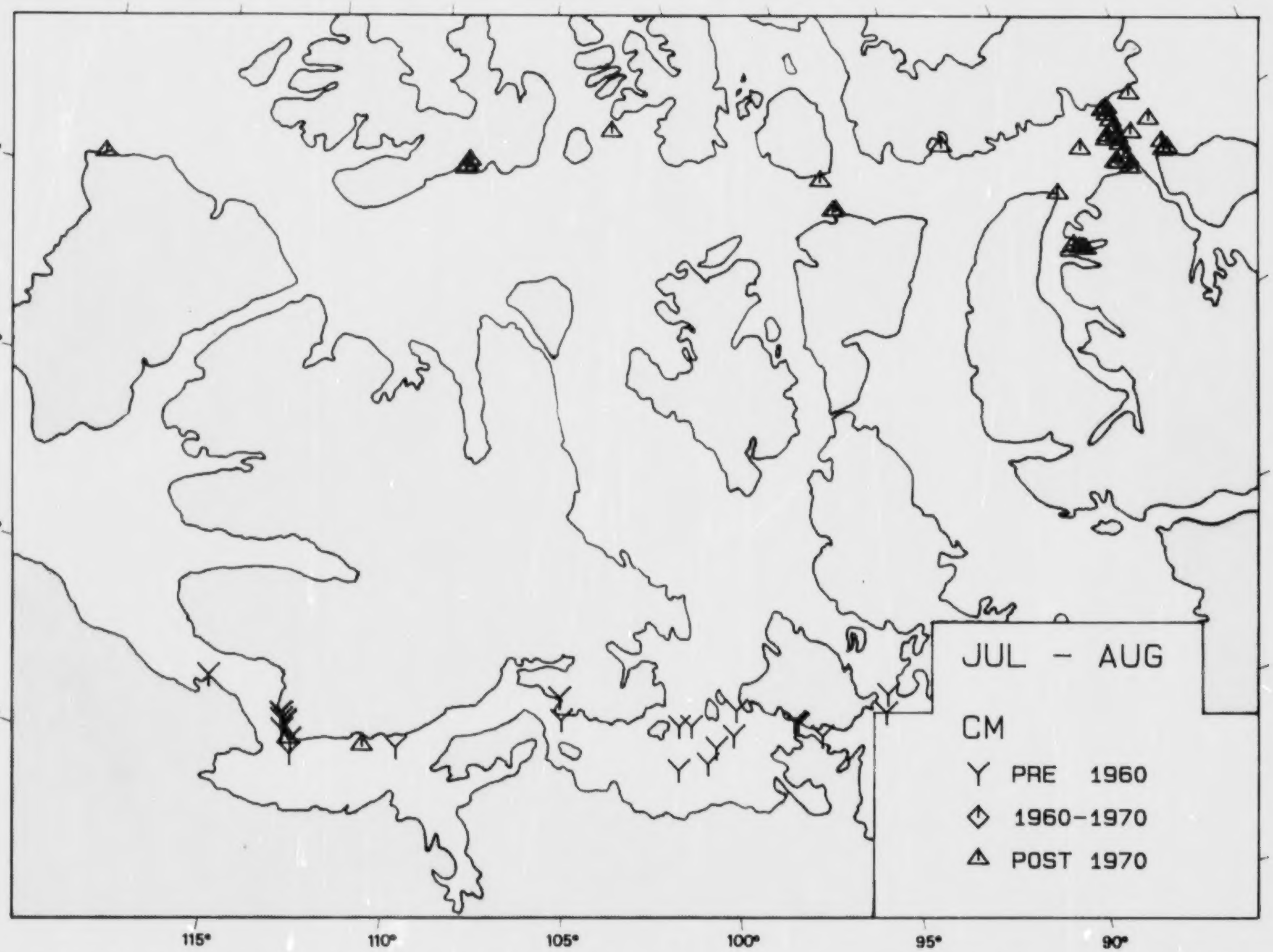

JUL - AUG
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 10d. The locations of all current-meter (CM) stations in place during the July-August period, all years (103 stations).

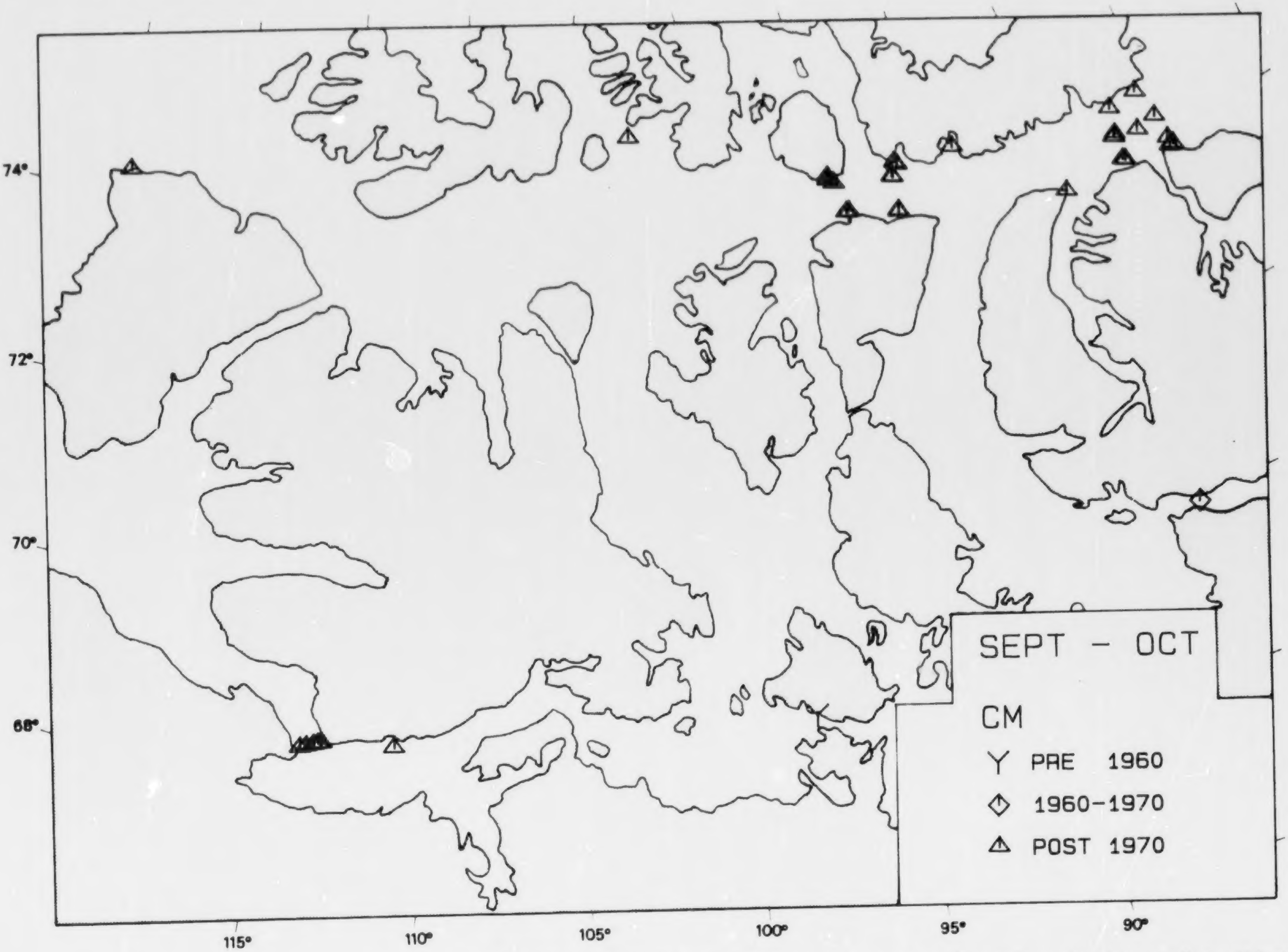

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
SEPT - OCT
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 10e. The locations of all current-meter (CM) stations in place during the September-October period, all years (73 stations).

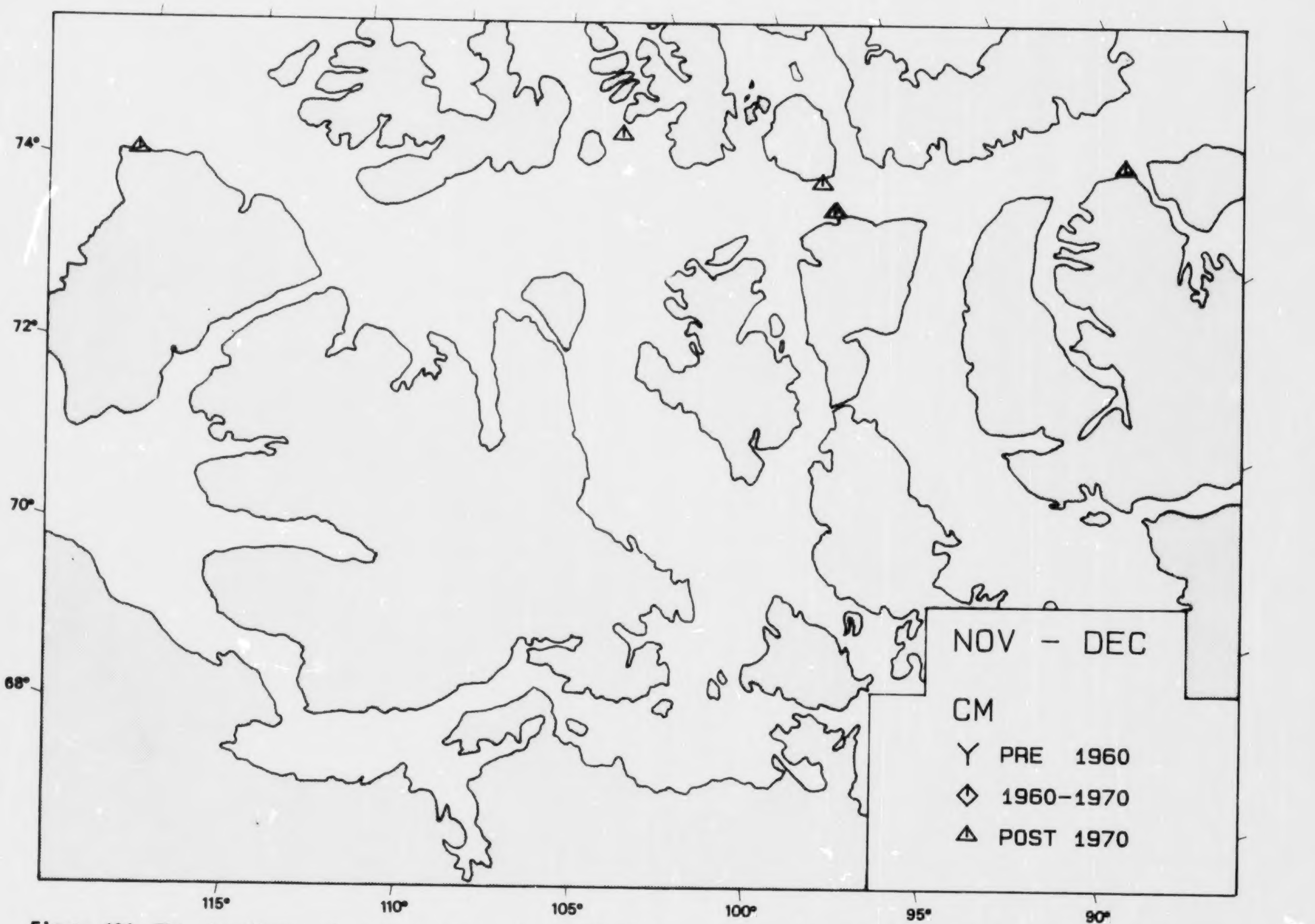

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
NOV - DEC
CM
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 10f. The locations of all current-meter (CM) stations in place during the November-December period, all years (17 stations).

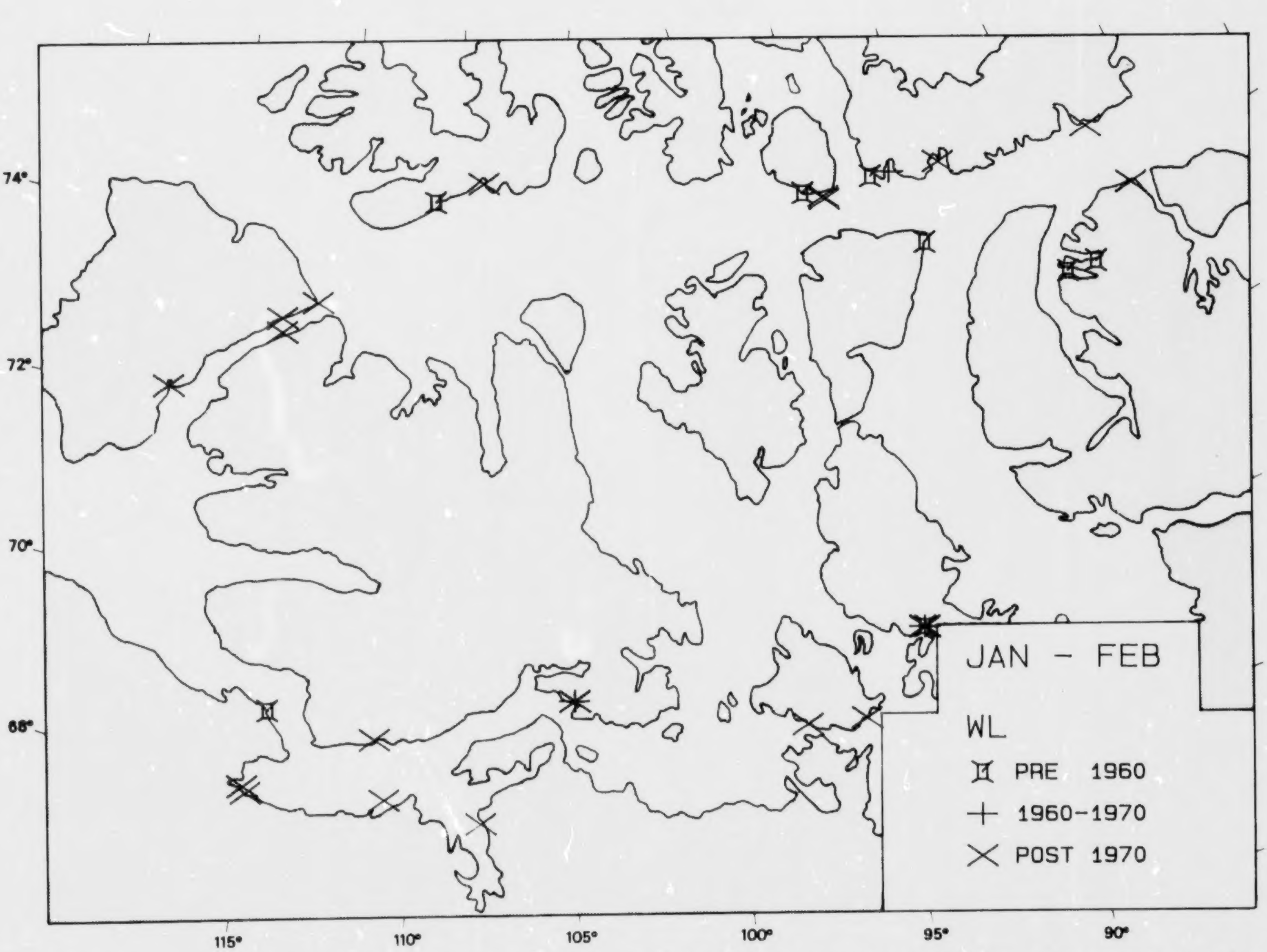

JAN - FEB
WL
PRE 1960
1960-1970
POST 1970
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 11a The locations of all water-level (WL) stations in place during the January-February period, all years (42 stations).

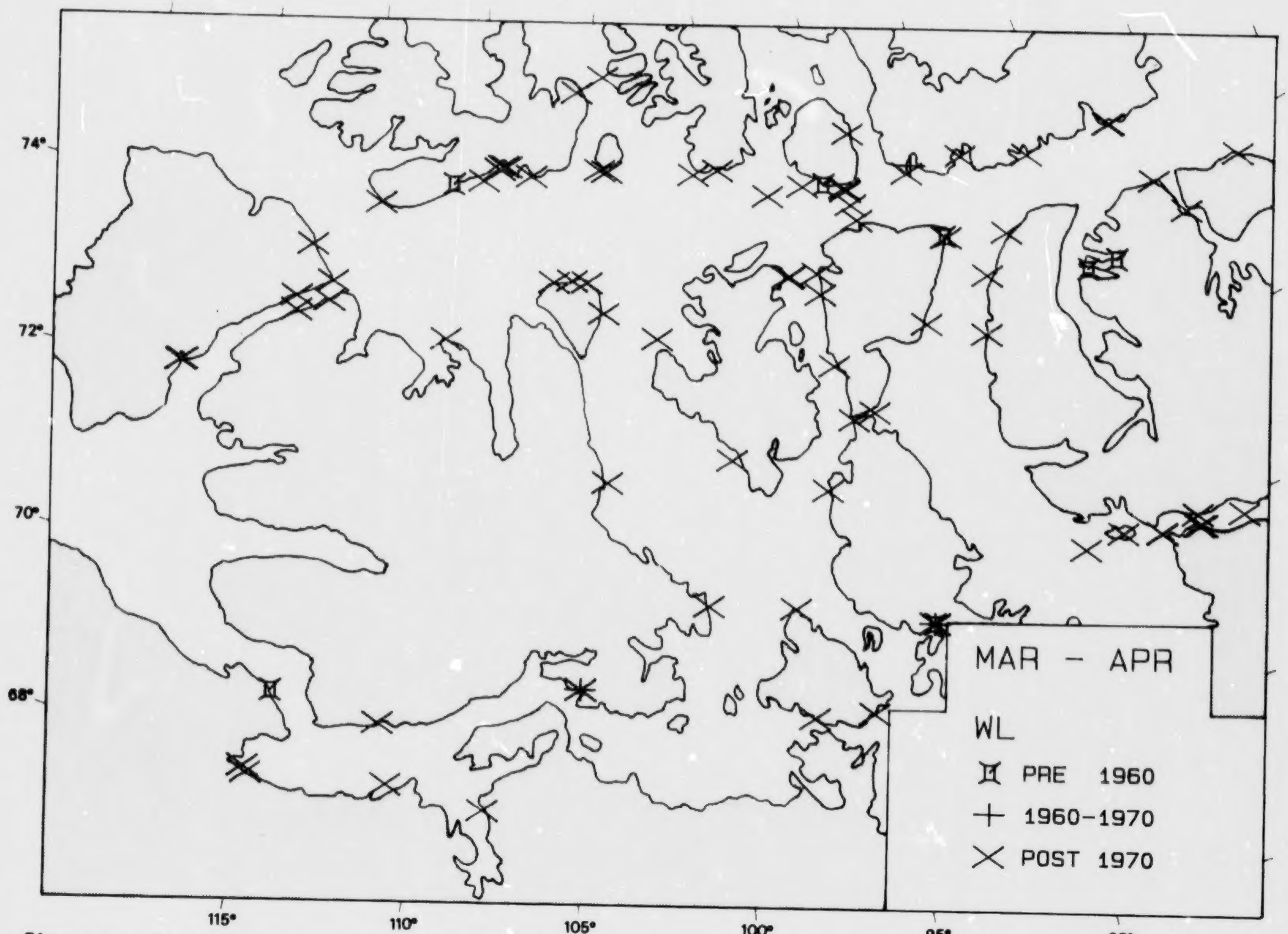

MAR - APR
WL
PRE 1960
1960-1970
POST 1970
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 11b. The locations of all water-level (WL) stations in place during the March-April period, all years (186 stations).

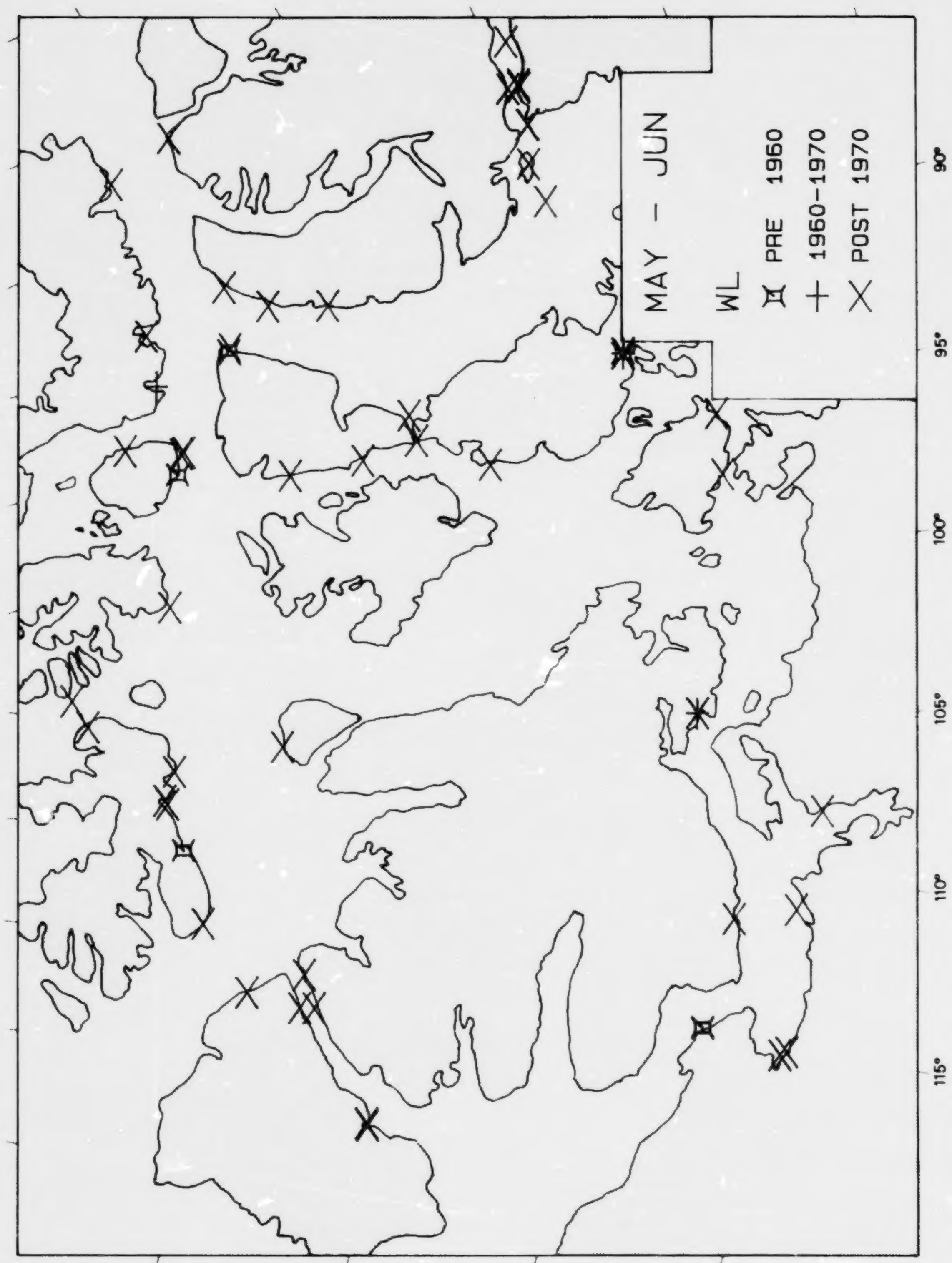

MAY - JUN
WL
PRE 1960
1960-1970
POST 1970
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

Figure 11c. The locations of all water-level (WL) stations in place during the May–June period, all years (69 stations).

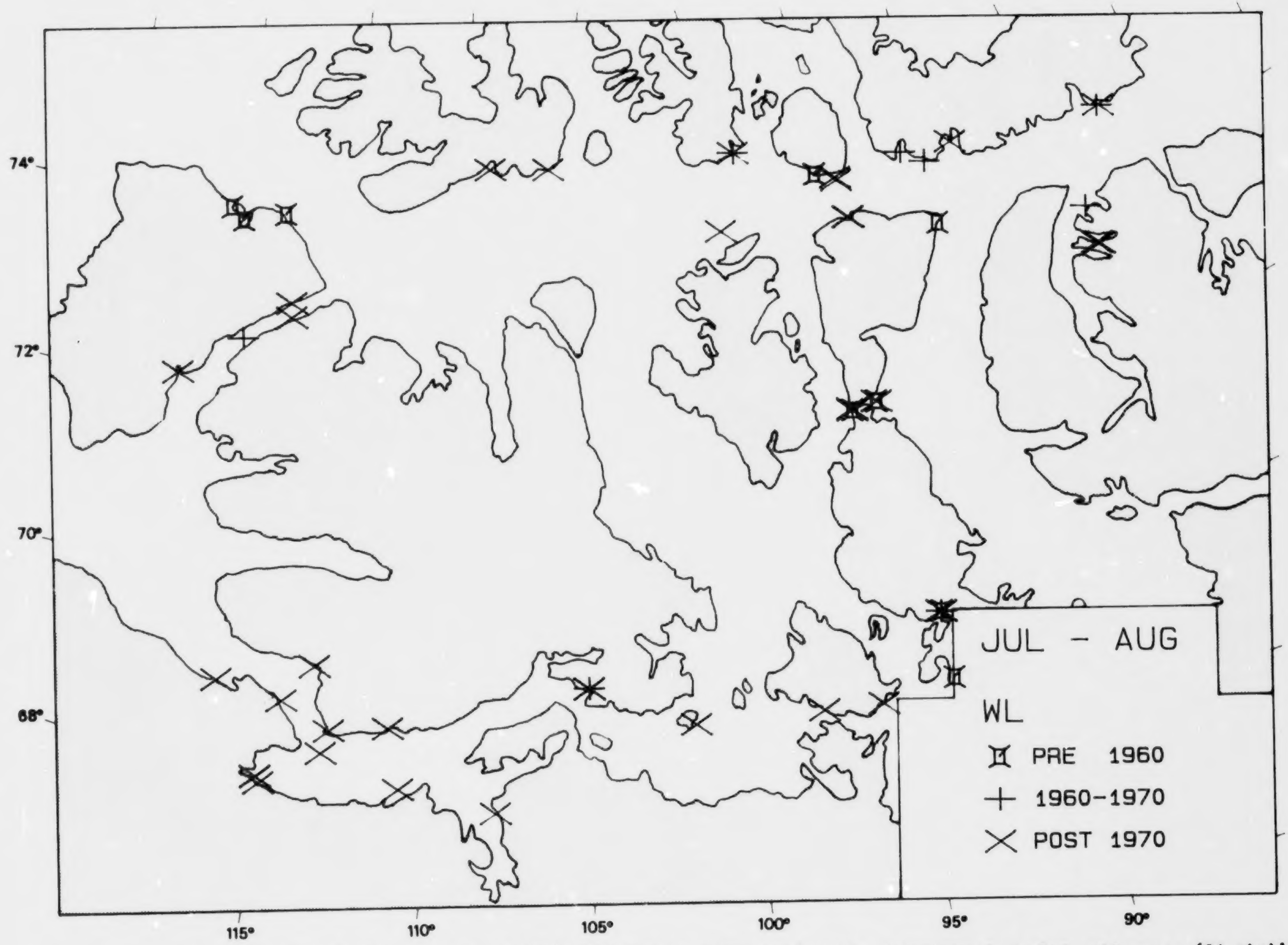

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
JUL - AUG
WL
PRE 1960
1960-1970
POST 1970

Figure 11d. The locations of all water-level (WL) stations in place during the July-August period, all years (64 stations).

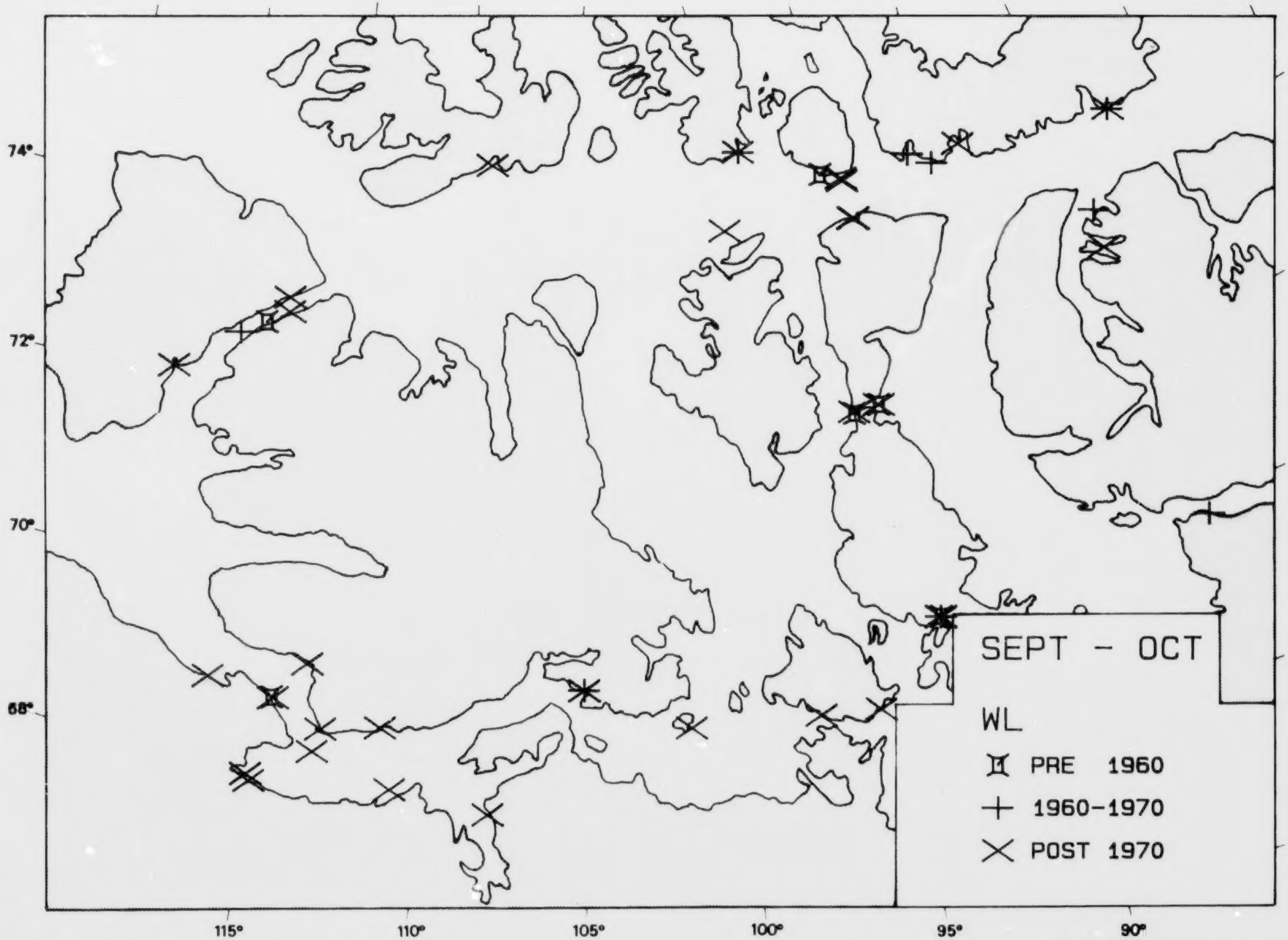

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
SEPT - OCT
WL
PRE 1960
1960-1970
POST 1970

Figure 11e. The locations of all water-level (WL) stations in place during the September-October period, all years (58 stations).

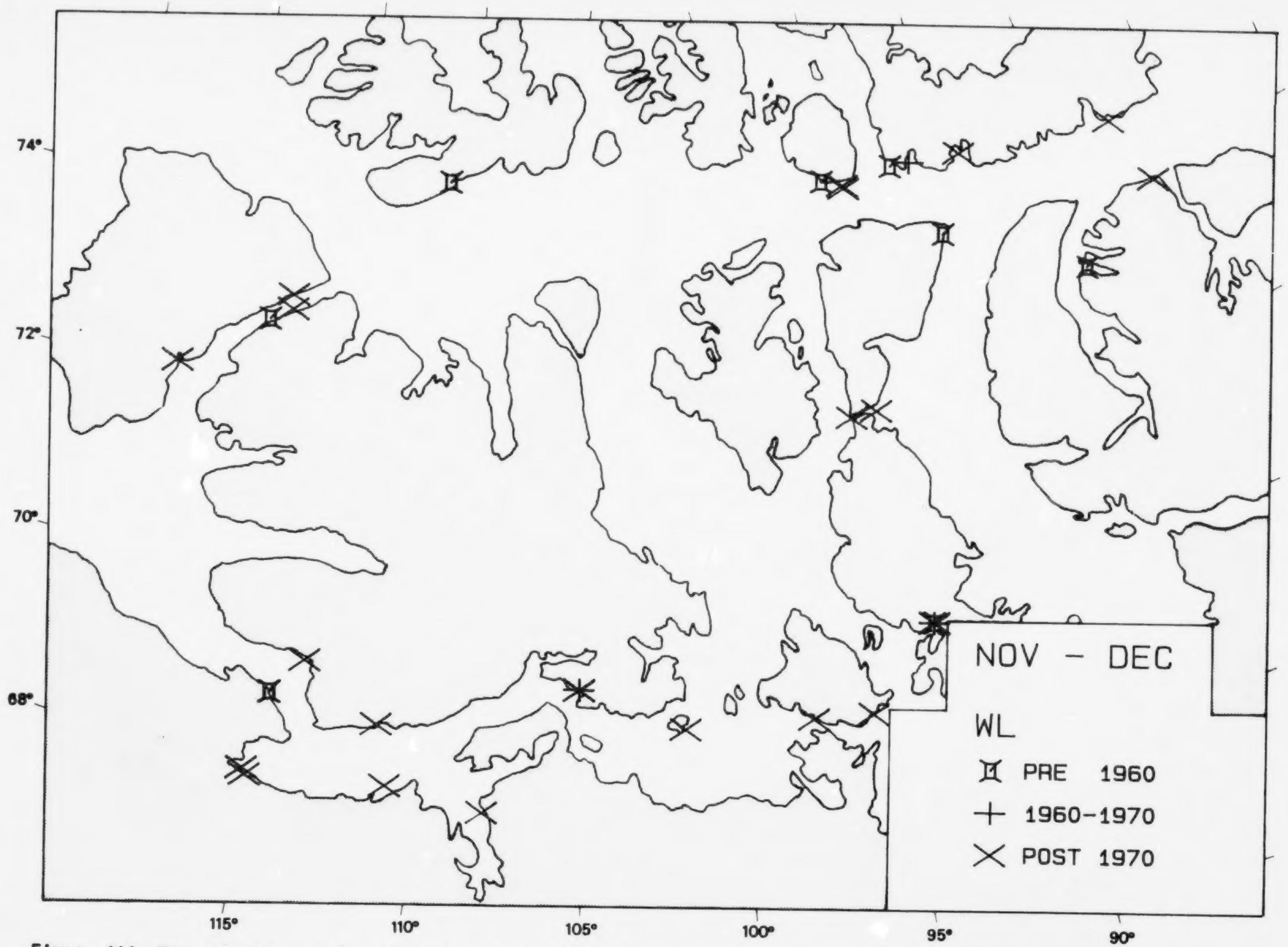

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
NOV - DEC
WL
PRE 1960
1960-1970
POST 1970

Figure 11f. The locations of all water-level (WL) stations in place during the November-December period, all years (45 stations).

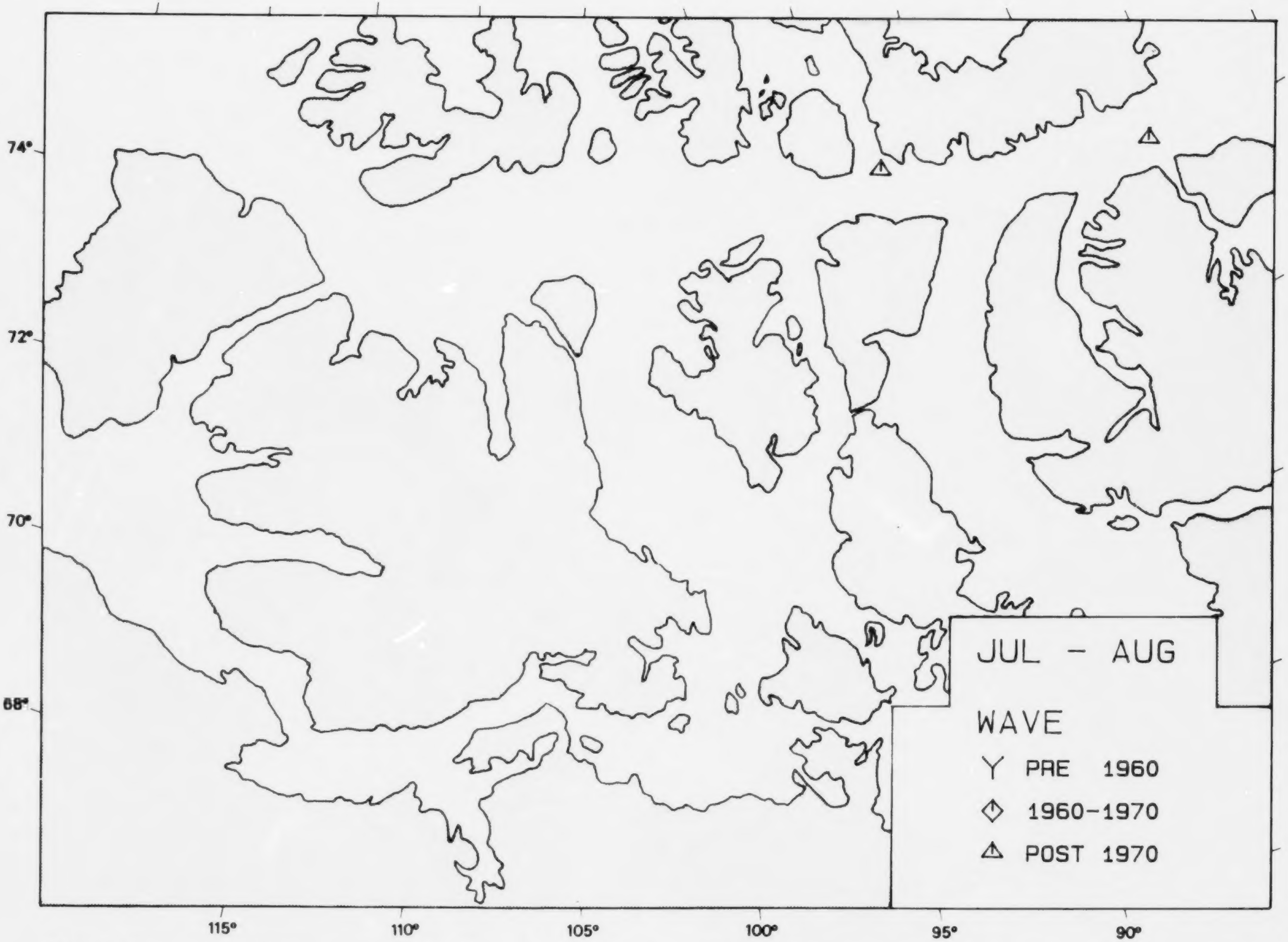

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
JUL - AUG
WAVE
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 12a. The locations of all wave data collected during July-August, all years (2 stations).

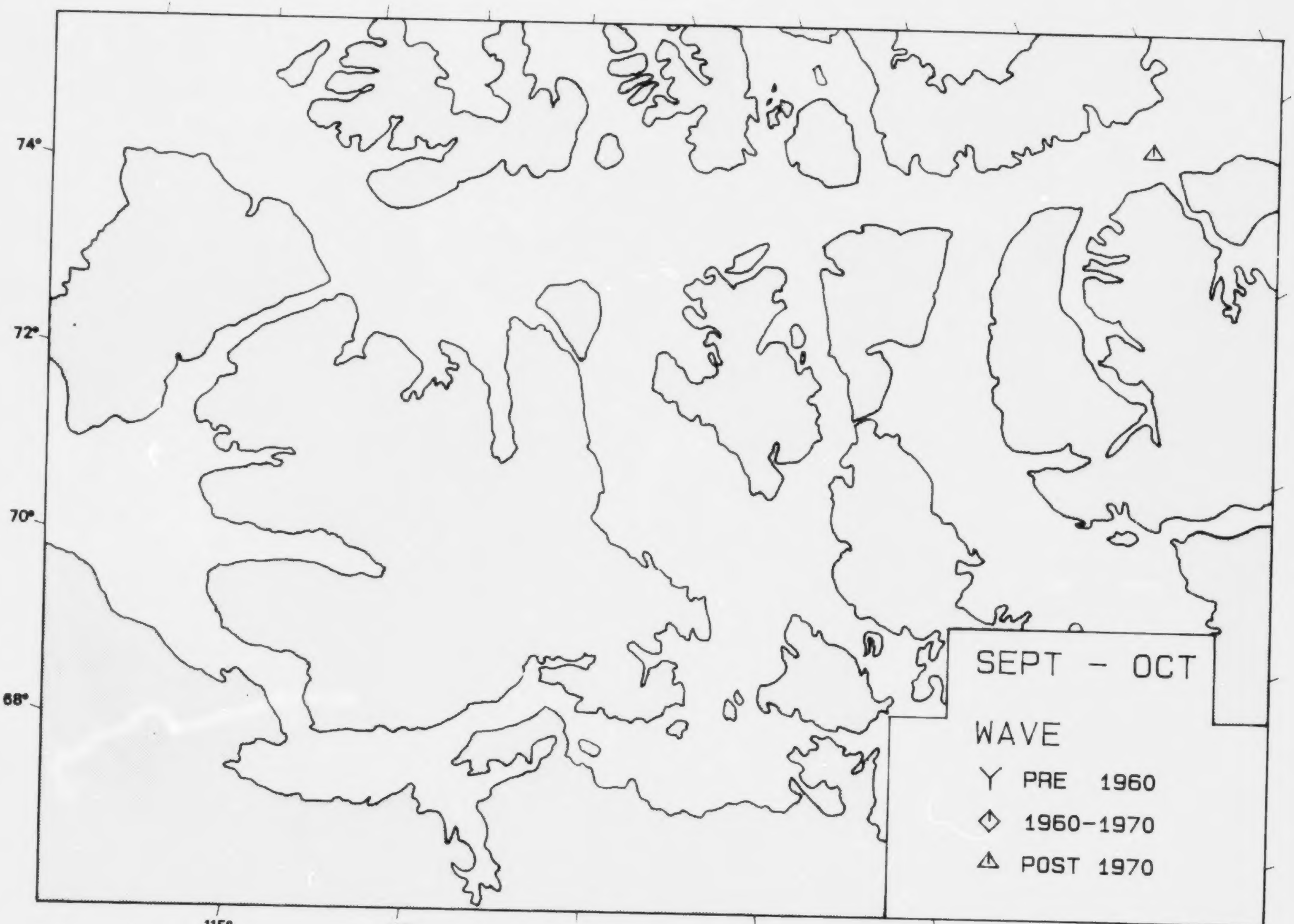

74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
SEPT - OCT
WAVE
Y PRE 1960
◇ 1960-1970
△ POST 1970

Figure 12b. The locations of all wave data collected during September-October, all years (1 station).

LIST OF NEAR-SYNOPTIC DATA SETS

Year	Data Set No.	Area(s)
1954	54-0001	Lancaster Sound, Barrow Strait, Viscount Melville Sound
	54-0002	M'Clure Strait, Viscount Melville Sound, Prince of Wales Strait
	54-0003	M'Clure Strait, Viscount Melville Sound Prince of Wales Strait
1957	57-0001 57-0003	Eastern & southern study area
1960	60-0004	Lancaster Sound
	60-0005	Lancaster Sound, Barrow Strait, Pr.Regent Inlet
1961	61-0003	Gulf of Boothia
	61-0004	Lancaster Sound, Barrow Strait, Prince Regent Inlet
1976	76-0008	Lancaster Sound
	76-0011	Lancaster Sound, Barrow Strait
1982	82-0002	Barrow Strait
	82-0003	Archipelago
	82-0004	Pr.of Wales Strait, Visc. Melville Sound
1983	83-0008	Eastern Viscount Melville Sound
	83-0009	Barrow Strait
	83-0010	Archipelago
1984	84-0049	Parry Channel
	84-0050	Barrow Strait

The best synoptic data are the 1982-1984 results collected during a Department of Fisheries and Oceans program by the Institute of Ocean Sciences (Sidney, B.C.), Bayfield Laboratory (Burlington, Ontario) and Arctic Sciences Ltd. (Sidney, B.C.). The data provide coverage over much of the study area for the March-June period, for three consecutive years.

EXTENDED TIME SERIES

Extended time series, on the scale of years, (apart from water level data) consist mainly of bottle/CTD data in Parry Channel. Temperature/ salinity data for Lancaster Sound were collected in 1928, 1946, 1954, 1956, 1957, 1960-1962, 1966-1968, 1970, 1976-1980 and 1983. Fissel et al. (1981) used much of this data to study the year to year variability of the surface circulation in Lancaster Sound.

The Institute of Ocean Sciences measured the temperature and salinity of Cambridge Bay in a comprehensive program covering the four periods of September and December, 1971, and February and April, 1972.

Year-to-year variability of water characteristics in the Barrow Strait area could be studied using the 1954, 1956, 1957, 1960-1962, 1967, 1970, 1972, 1973 and 1976-1985 bottle/CTD data sets.

Similarly the Prince Regent Inlet/Gulf of Boothia system has temperature/salinity data sets for the years 1956, 1957, 1960, 1961 and 1962.

A very large, combined data set of extended duration is made up of the current-meter, CTD, and water-level data collected during late winter and spring by the Institute of Ocean Sciences from 1982 to 1985 and by the Bayfield Laboratory (CCIW) from 1981 to 1983. In Barrow Strait, CTD and current-meter data were collected each spring over the five year period, 1981 to 1985. During this period, long-term current data were obtained at two sites, in 1981-1982 and in 1984-1985.

6.4 CONCLUSIONS

This inventory of physical oceanographic data for the Northwest Passage will permit oceanographers and others to exploit more fully the existing data base. Researchers can readily determine what data already exist within their area of interest.

Most of the data have been collected in the northern portions of the study area (Parry Channel). Much less is known of oceanographic conditions in the southern portion (M'Clintock Channel, Queen Maud Gulf, Coronation Gulf and Committee Bay). The reason is that Parry Channel constitutes the main route for water and vessels passing between the Beaufort Sea and Baffin Bay. There has not yet been a requirement for detailed surveys of the more southern waters.

Due to operating conditions, most data, particularly TS, were obtained during either March-April or August-September. These represent the two optimal working periods of sufficient light and stable ice, and summer open-water conditions, respectively. There is a distinct bimodal distribution with very little data existing during winter (October-February) and spring break-up (May-July).

7.0 REFERENCES

Anderson, B.G., 1973. Arctic III expedition, diving equipment and human performance. The James Allister MacInnis Foundation Arctic Expeditions. Vol. II. 64 p.

Apollonio, S., 1957. Plankton productivity studies in Allen Bay, Cornwallis Island, N.W.T. 1956. Woods Hole Oceanographic Institution, Woods Hole, Mass. Unpubl. manuscript. 8 p.

Apollonio, S., 1976. Primary production in the Canadian Arctic Archipelago, 1961-1963. Arctic Inst. of North America, Montreal, Canada. Bigelow Lab. for Oc. Sc., West Boothbay Harbour, Maine. Contrib. 76016. Unpubl. manuscript. 88 p.

Apollonio, S., Undated. Phytoplankton production in the Canadian Arctic. Unpubl. manuscript in the collection of the library, Arctic Institute of North America, Calgary. 38 p.

B.C. Research, 1975. Baseline survey of the marine environment at Strathcona Sound, N.W.T. Unpubl. Prog. Rep. No. 1 for Strathcona Mineral Services. Vancouver, B.C. 84 p.

Bailey, W.B., 1955. Oceanographic reconnaissance in the Canadian Archipelago (1954). Fish. Res. Board Can. MSS Rept. Biol. Sta. No. 603. 145 p.

Bailey, W.B., 1957. Oceanographic features in the Canadian Archipelago. J. Fish. Res. Board Can 14. pp. 731-769.

Bain, H., D. Thompson, M. Foy, and W. Griffiths, 1977. Marine ecology of fast-ice edges in Wellington Channel and Resolute Passage, N.W.T. Unpubl. rep. by LGL, Toronto for the Polar Gas Project. 262 p.

Barber, F.G., 1965. Current observations in Fury and Hecla Strait. J. Fish. Res. Board Can.(22). pp 225-229.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

Barber, F.G. and T.S. Murty, 1975. A preliminary note on the oceanography of Strathcona Sound. Marine Sciences Directorate. 23 p.

Bedford Institute of Oceanography, 1974. Cruise Report No. 74-026, Part 1. Atl. Geoscience Centre, Dartmouth, N.S. 25 p.

Bedford Institute of Oceanography, 1976. Cruise Report No. 76-023. Atl. Geoscience Centre, Dartmouth, N.S. 9 p.

Bedford Institute of Oceanography, 1977. Cruise Report No. 77-024. Atl. Ocean. Lab., Dartmouth, N.S. 45 p.

Bedford Institute of Oceanography, 1980. Cruise Report No. 80-027. Dartmouth, N.S. 38 p.

Bernier, J.E., 1909. Report of the Dominion Government expedition to the Arctic Islands and Hudson Strait on board the C.G.S. Arctic, 1906-1907. King's Printer, Ottawa. 127 p.

Bernier, J.E., 1910. Report of the Dominion of Canada Government expedition to the Arctic Islands and Hudson Strait on board the C.G.S. Arctic, 1908-1909. Government Printing Bureau, Ottawa. 529 p.

Bernier, J.E., 1911. Report on the Dominion Government expedition to the northern waters and Arctic Archipelago on the C.G.S. Arctic in 1910. King's Printer, Ottawa.

Birch, J.R., 1980a. 1979 Nearshore studies of the physical oceanography of Cape Warrender, Cape Fanshawe and Cape Hay. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data Report No. 5. 129 p.

Birch, J.R., 1980b. Analysis of water level record for Johnson Bay, N.W.T., August 22, 1978 - May 12, 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data Report No. 6. 43 p.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

Birch, J.R., D.B. Fissel, D.D. Lemon, A.B. Cornford, R.A. Lake, B.C. Smiley, R.W. Macdonald, and R.H. Herlinveaux, 1983. Arctic Data Compilation and Appraisal. Volume 3. Northwest Passage: Physical Oceanography - Temperature, Salinity, Currents and Water Levels. Can. Data Rep. Hydrogr. Ocean Sci. 5 Vol. 3. 262 p.

Bolduc, P.A., J.D. Taylor, and F.G. Barber, 1986. Sea level at Port Leopold, N.W.T., in 1848. Arctic 39(3). pp 264-266.

Brooks, D.J., 1981. Arctic oceanographic survey, Barrow Strait - 1981 field report. Ocean and Aquatic Sciences, Ocean. Div., Bayfield Laboratory, Burlington, Ontario. Unpubl. manuscript. 66 p.

Brooks, D.J., 1983. Arctic Oceanographic Survey, Barrow Strait 1983 Field Report. Dept. of Fish. and Oceans, Bayfield Lab. for Marine Science and Surveys, Burlington, Ontario. Field Report Series No. 83-1.

Buchanan, R.A., W.E. Cross, and D.H. Thompson, 1977. Survey of the marine environment of Bridport Inlet, Melville Island. Unpubl. rep. by LGL, Toronto for Petro-Canada Ltd., Calgary. 265 p.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Current and sea-level measurements in the Northwest Passage, April 1982 - March 1983. Can. Data Rep. Hydrogr. Ocean Sci (51) No. 1.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Current and sea-level measurements in the Northwest Passage, April 1983 - March 1984. Can. Data Rep. Hydrogr. Ocean Sci (51) No. 2.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Current and sea-level measurements in the Northwest Passage, April 1984 - March 1985. Can. Data Rep. Hydrogr. Ocean Sci (51) No. 3.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Temperature and salinity measurements in the Northwest Passage in March and April, 1983. Can. Data Rep. Hydrogr. Ocean Sci, (39).

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Temperature and salinity measurements in the Northwest Passage in March and April, 1984. Can. Data Rep. Hydrogr. Ocean Sci, (39).

Buckingham, W.R., R.A. Lake, and H. Melling, 1985. Temperature and salinity measurements in the Northwest Passage in March and April, 1982. Can. Data Rep. Hydrogr. Ocean Sci.(39). 371 p.

Campbell, N.J. and A.E. Collin, 1956. A preliminary report on some oceanographic features of Foxe Basin. Joint Committee on Oceanography. Man. Rep.

Canadian Hydrographic Service, 1968. Pilot of Arctic Canada. Vol. 1, second edition.

Canadian Oceanographic Data Centre, 1963. Five Arctic surveys. Report No. 4-1963. Data Record Series. 90 p.

Canadian Oceanographic Data Centre, 1964. Eastern Arctic - 1960. Data Rec. Ser. No. 18. 204 p plus illustrations.

Canadian Oceanographic Data Centre, 1966a. Arctic 1961. August 2 - October 12, 1961. Data Rec. Ser. No. 12. 332 p plus illustrations.

Canadian Oceanographic Data Centre, 1966b. Arctic, Hudson Bay and Hudson Strait. August 5 - October 4, 1962. Data Rec. Ser. No. 4. 247 p plus illustrations.

Canadian Oceanographic Data Centre, 1967. Baffin Bay, September 25 - October 24, 1962. Data Rec. Ser. No. 4. 169 p plus illustrations.

Canadian Oceanographic Data Centre, 1968. Hudson Bay, Hudson Strait and Arctic. July 21-September 9, 1967. Data Rec. Ser. No. 4. 123 p plus illustrations.

Codispoti, L.A. and T.G. Owens, 1975. Nutrient transports through Lancaster Sound in relation to the Arctic Ocean's reactive silicate budget and the outflow of Bering Strait waters. Limnol. and Oceanog. 20:. pp 115-119.

Collin, A.E., 1958. An oceanographic study of Prince Regent Inlet, the Gulf of Boothia and adjacent waters. Fish. Res. Bd. Can., Man. Rep. Ser. (Limnol. & Oceanog.) No. 13. 66 p.

Collin, A.E., 1960. Oceanographic observations in the Canadian Arctic and the adjacent Arctic Ocean. Arctic 13. pp 194-201.

Collin, A.E., 1962a. On the oceanography of Lancaster Sound. Ph.D. Thesis, McGill University, Montreal. 204 p.

Collin, A.E., 1962b. The waters of the Canadian Arctic Archipelago. Bedford Institute of Oceanography, Dartmouth, N.S. Report B.I.O. 62-2. 14 p.

Collin, A.E., 1963. Waters of the Canadian Arctic Archipelago. In Proceedings of the Arctic Basin Symposium, Oct. 1962. Arctic Institute of North America, Wash., D.C. 313 p. pp 128-139.

Collin, A.E. and M.J. Dunbar, 1964. Physical oceanography in Arctic Canada. H. Barnes (Ed.). In Ocean. Mar. Biol. Ann. Rev. 2. George Allen and Unwin, London. pp 45-75.

Cooke, A., 1981. A gift outright: The exploration of the Canadian Arctic Islands after 1880. In "A Century of Canada's Arctic Islands, 1880-1980". M. Zaslow (Ed.). Royal Soc. of Can. 1981, 23rd Symp., Ottawa, Ontario. pp 51-60.

Cornford, A.B., D.D. Lemon, D.B. Fissel, H. Melling, B.D. Smiley, R.H. Herlinveaux, and R.W. Macdonald, 1982. Arctic Data Compilation and Appraisal. Volume 1. Beaufort Sea: Physical Oceanography - Temperature, Salinity, Currents and Water Levels. Can. Data Rep. Hydrogr. Ocean. Sci. 5. Dept. of Fish. and Oceans, Ocean Science and Surveys, Ottawa. 279 p.

Dawson, W.B., 1920. Tidal investigations and results. Can. Arctic Exp. 1913-1918. Rep. Vol. 10: 1-13. Plankton, hydrography, tides (Pt. C). King's Printer, Ottawa.

DeLangeBoom, B.R., M.R. MacNeill, and J.R. Buckley, 1979. Iceberg tracking in N.W. Baffin Bay and eastern Lancaster Sound from the Hope Monument radar camp. Unpubl. manuscript by Seakem Oceanography, Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 215 p plus illustrations.

Dohler, G.C., 1958. Construction of tide stations at Brevoort Harbour and Resolute, N.W.T., 1957. Dept. of Mines and Tech. Surveys, Surveys and Mapping Branch, Ottawa. 43 p plus illustrations.

Dohler, G.C., 1964. Tides in Canadian waters. Env. Can., Can. Hydr. Serv., Ottawa. 16 p.

Dunbar, M. and K.R. Greenaway, 1956. Arctic Canada from the air. Def. Res. Bd. Can., Queen's Printer, Ottawa. 541 p plus illustrations.

Dunbar, M.J., 1951. Eastern Arctic waters. J. Fish. Res. Board Can.(88). pp 1-131.

Ellis, D.V., 1956. Some temperature and salinity records from the Canadian Arctic during 1954 and 1955. J. Fish. Res. Board Can.(13). pp 591-598.

Fissel, D.B., 1980a. Satellite-tracked drifting buoy movements in Baffin Bay and Lancaster Sound, summer 1978 and 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data report No. 2. 40 p plus appendices.

Fissel, D.B., 1980b. Satellite-tracked iceberg movements in Baffin Bay and Lancaster Sound, summer 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 27 p plus appendices.

Fissel, D.B., 1981. Processing and analysis of current meter data on Lancaster Sound, 1976. Unpub. Rep. by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alta.

Fissel, D.B. and J.R. Birch, 1980. Current profile measurements in western Baffin Bay and Lancaster Sound, summers of 1978 and 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 17 p plus appendices.

Fissel, D.B. and J.R. Birch, 1981. A physical oceanographic study of northwestern Baffin Bay, summer 1980. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 455 p.

Fissel, D.B., L.E. Cuypers, D.D. Lemon, J.R. Birch, A.B. Cornford, R.A. Lake, B.C. Smiley, R.W. Macdonald, and R.H. Herlinveaux, 1983. Arctic Data Compilation and Appraisal. Volume 6. Queen Elizabeth Islands: Physical Oceanography - Temperature, Salinity, Currents and Water Levels.. Can. Data Rep. Hydrogr. Ocean Sci. 5: (Vol.6). 214 p.

Fissel, D.B., D.N. Knight, and J.R. Birch, 1984. An oceanographic survey of the Canadian Arctic Archipelago, March-April 1982. Can. Contract. Rep. Hydrogr. Ocean Sci. 15. 415 p.

Fissel, D.B. and D.D. Lemon, 1985. Analysis of acoustic backscatter data, Barrow Strait, May 1984. Unpub. rep. by Arctic Sciences Ltd., Sidney, B.C. for the Institute of Ocean Sciences, Sidney, B.C. 38 p. plus unnumbered appendices.

Fissel, D.B., D.D. Lemon, and J.R. Birch, 1981. Environmental Studies No. 25. The Physical Oceanography of Western Baffin Bay and Lancaster Sound. Dept. of Indian and Northern Affairs, Northern Affairs Program, Ottawa. 293 p.

Fissel, D.B., D.D. Lemon, and J.R. Birch, 1982. Major features of the summer near-surface circulation of western Baffin Bay, 1978 and 1979. Arctic (35). pp. 180-200.

Fissel, D.B., D.D. Lemon, and D.N. Knight, 1984. An Oceanographic Survey of the Canadian Arctic Archipelago, March 1983. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 16. 355 p.

Fissel, D.B. and J.R. Marko, 1978. A surface current study of eastern Parry Channel, N.W.T. - summer, 1977. Contractor Report Series 78-4 by Arctic Sciences Ltd., Sidney, B.C. for Institute of Ocean Sciences, Sidney, B.C. 66 p.

Fissel, D.B. and G.R. Wilton, 1978. Subsurface current measurements in eastern Lancaster Sound, N.W.T. - Summer 1977. Contractor Report Series 78-3 by Arctic Sciences Ltd., Sidney, B.C. for Institute of Ocean Sciences, Sidney, B.C. 72 p.

Fissel, D.B. and G.R. Wilton, 1980. Subsurface current measurements in western Baffin Bay and Lancaster Sound, 1978-79. Unpubl. manuscript by arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data Report No. 1. 52 p plus appendices.

Frederking, R.M.W., J.B. Maxwell, and S. Prinsenberg, 1986. Overview of project to measure ice forces at Adams Island. Proceedings of the Can. East Coast Workshop on Sea Ice, Jan 7-9 1986. pp. 651-663.

Gade, H.G., R.A. Lake, E.L. Lewis, and E.R. Walker, 1974. Oceanography of an Arctic bay. Deep Sea Res.(21). pp 547-571.

Grainger, E.H., 1963. Copepods of the genus Calanus as indicators of eastern Canadian waters. Roy. Soc. Can. Sp. Pub. No. 5, Univ. of Toronto Press.

Grainger, E.H., 1965. Zooplankton from the Arctic Ocean and adjacent Canadian waters. J. Fish. Res. Board Can.(22). pp 543-564.

Greisman, P., 1978. Bridport Inlet, Melville Island - Physical oceanographic and ice surveys, February - June 1978. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Phoenix Ventures, Calgary, Alberta for Petro-Canada, Calgary, Alberta. 118 p.

Greisman, P., 1983. The physical oceanography of Bridport Inlet, N.W.T. Volume I of II, Analysis and interpretation. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 9 (Vol. 1). 163 p.

Greisman, P., 1983. The physical oceanography of Bridport Inlet, N.W.T. Volume II of II; individual CTD casts. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 9 (Vol. 2). 426 p.

Greisman, P., S. Grant, A. Blaskovitch, and B. van Hardenberg, 1986. Tidal propagation measurements in Baffin Bay, Lancaster Sound and Nares Strait. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 25. viii plus 548 p.

Harris, R.A., 1911. Arctic tides. U.S. Government printing office. 55 p.

Herlinveaux, R.H., 1961. Data record of oceanographic observations made in Pacific Naval Laboratory underwater sound studies, 1961. Fish. Res. Board Can. Man. Rep. Ser. (Limnol. & Oceanog.) No. 108. 185 p.

Herlinveaux, R.H., 1970. Icepack 8/68 - Oceanographic and biological observations. Fish. Res. Board Can. Nanaimo, B.C. Tech. Rep. No. 159. 60 p.

Herlinveaux, R.H., 1974. Surface movements in Canadian Arctic Waters with some accompanying temperature and salinity observations. Unpub. manuscript, Pacific Marine Science Rep., Marine Science Directorate, Pacific Region, Sidney, B.C. 36 p.

Herlinveaux, R.H., D.B. Fissel, and S.E.G. Wilson, 1978. Oceanographic observations in Barrow Strait and Wellington Channel, N.W.T., April 1973. Inst. of Ocean Sciences, Sidney, B.C. Pac. Marine Science Rep. 78-4. 170 p.

Herlinveaux, R.H. and S.E.G. Wilson, 1974. Oceanographic observations in the Canadian Arctic, September 1972. Env. Can., Fisheries and Marine Service, Marine Sciences Directorate, Pacific Region, Victoria, B.C., Pacific Marine Science Report. 24 p.

Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

Huyer, A. and F.G. Barber, 1970. A heat budget of the water in Barrow Strait for 1962. Dept. of Energy, Mines and Resources, Mar. Sc. Br., Ottawa. Unpub. manuscript Rep. Ser. No. 12. 43 p.

Institute of Ocean Sciences, 1973. Oceanographic data report - Cambridge Bay, N.W.T., September 1971 to April 1972. Frozen Sea Research Group, Pacific Region, Sidney, B.C. Pac. Mar. Sc. Rep. 73-9. 367 p.

Ives, J.D. and R.G. Barry (Ed.), 1974. Arctic and Alpine Environments. Methuen and Co. Ltd., London. 999 p., 47 plates.

Jones, E.P. and A.R. Coote, 1980. Nutrient distributions in the Canadian Archipelago: Indicators of summer water mass and flow characteristics. Can. J. Fish. Aquat. Sci. 37. pp. 589-599.

Kashino, R.K., 1979. Ocean current measurement program - Dolphin and Union Strait, N.W.T. Polar Gas Pipeline Survey. Submitted to Kenting Exploration Services Ltd., by Dobrocky Seatech Ltd., Sidney, B.C. Unpub. manuscript. 183 p.

Killerich, A.B., 1939. A theoretical treatment of the hydrographic observational material, the Godthaab Expedition. Meddeleiser om Gronland 78. pp. 1-148.

Lake, R.A., 1978. An oceanographic study of Bridport Inlet, Melville Island, N.W.T., Part 1. Frozen Sea Research Group, Inst. of Ocean Sciences, Sidney, B.C. 12 p.

Lake, R.A., 1979. An oceanographic study of Bridport Inlet, Melville Island, N.W.T., Parts 2 and 3, March - August 1979. Frozen Sea Research Group, Inst. of Ocean Sciences, Sidney, B.C. Part 2: 59 p., Part 3: 288 p.

Langleben, M.P., 1982. Water drag coefficient of first-year ice. J. Geophys. Res. Vol 87(C1). pp. 573-578.

Lee, A.J. and P.G.W. Jones, 1968. The intercalibration of the gear and methods used during Norwestlant 1-3. International Commission for the Northwest Atlantic Fisheries, Dartmouth, N.S. Prepared by Canadian Oceanographic Data Centre Ottawa. Sp. Pub. No. 7, Part III, Vol. 1.

Lemon, D.D., 1980. CTD data from western Baffin Bay and Lancaster Sound, 1978 and 1979. Unpub. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 52 p. plus appendices.

Lemon, D.D. and D.B. Fissel, 1982. Seasonal variations in currents and water properties in northwestern Baffin Bay, 1978-1979. Arctic 35: pp. 211-218.

Lemon, D.D., M.A. Wilson, and L.E. Cuypers, 1981. Measurements of wind, ice and surface-layer drift in Viscount Melville Sound - summer 1980. Unpub. rep. by Arctic Sciences Ltd., Sidney, B.C. for Dome Petroleum Ltd., Calgary, Alberta. 152 p. plus appendices.

Levy, E.M. and J.D. Moffat, 1975. Floating petroleum residues in the North Atlantic (1971-1974). Bedford Institute of Oceanography. 56 p.

Levy, E.M. and A. Walton, 1976. High seas oil pollution: particulate petroleum residues in the North Atlantic. J. Fish. Res. Board Canada 33. pp. 2781-2791.

Lewis, C.F.M., J.R. Horsman, and D.I. Ross, 1974. Geological, geophysical and hydrographic studies in Lancaster Sound and Maxwell Bay, District of Franklin. Geol. Survey of Canada, Ottawa. Paper 74-1, Part A. 251 p.

Lewis, E.L., 1980. The practical salinity scale 1978 and its antecedents. IEEE Journal of oceanic engineering. Vol. OE-5(1). pp. 3-8.

Lewis, E.L. and R.G. Perkin, 1978. Salinity: its definition and calculation. J. Geophys. Res. 83. pp. 466-478.

Lewis, E.L. and E.R. Walker, 1970. The water structure under a growing sea ice sheet. J. Geophys. Res. 75. pp. 6836-6845.

Lindsay, D.G., 1976. Sea-ice atlas of Arctic Canada. INFOCAN, Ottawa. Vol 8. 213 p.

MacInnis, J.B., 1971. Arctic expeditions I and II, summary report. The James Allister MacInnis Foundation Arctic Diving Expeditions. Vol I, 65 p.

MacNeill, M.R., B.R. De Lange Boom, and D. Ramsden, 1978. Radar tracking of ice in Griffith Island area of Barrow Strait, N.W.T. By Seakem Oceanography, Sidney, B.C. for the Inst. of Ocean Sciences, Sidney, B.C. Contractor Rep. Ser. 78-2. 105 p.

Markham, W.E., 1981. Ice atlas, Canadian Arctic waterways. Supply and Services Canada, Hull, P.Q. 198 p., illustrations and maps.

Marko, J.R., 1981. The ice environment of western Baffin Bay and Lancaster Sound. Unpub. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 195 p. plus appendices.

Marko, J.R., J.R. Birch, and M.A. Wilson, 1982. A study of long-term satellite-tracked iceberg drifts in Baffin Bay and Davis Strait. Arctic 35: pp. 234-240.

Metcalf, W.G., 1949. Oceanographic program of the U.S. Navy Task Force 80. Arctic Operation Summer 1948. Woods Hole Oceanographic Institution, Woods Hold, Mass., Ref. No. 49-4. 67 p.

Milne, A.R., 1960. Shallow water under-ice acoustics in Barrow Strait. J. Acoust. Soc. Am. 32. pp 1007-1016.

Montgomery, M.R., 1952. Further notes on ice islands in the Canadian Arctic. Arctic 5: pp. 183-187.

Morison, S.R. and R.B. Taylor, 1978. Physical characteristics and seasonal changes in an Arctic estuarine environment. In Current Res., Part B, Energy, Mines & Resources, Geol. Survey of Canada, Ottawa. paper 78-1B. pp. 101-106.

Muench, R.D., 1971. The physical oceanography of the northern Baffin Bay region. Arctic Inst. of N.A., Washington, D.C., Baffin Bay-North Water Project. Sc. Rep. No. 1. 150 p.

Oceanographic Services Inc., 1976. Wave and current measuring program in Lancaster Sound, summer 1976. Report #4564 by OSI for Norlands Petroleum Ltd. unnumbered pages.

Palfrey, K.M. and G.G. Day, 1968. Oceanography of Baffin Bay and Nares Strait in the summer of 1966 and current measurements in Smith Sound, summer 1963. U.S. Coast Guard, Washington, D.C.. Ocean Rep. No. 16. 204 p.

Parry, W.E., Journal of a Voyage For the Discovery of the Northwest Passage from the Atlantic to the Pacific. A 1968 reprint by Greenwood Press, N.Y. 132 p.

Parry, W.E., 1821. Journal of a Voyage For the Discovery of the Northwest Passage. 2nd ed. John Murray, London.

Parry, W.E., 1824. Journal of a Second Voyage For the Discovery of a Northwest Passage. John Murray, London.

Peck, G.S., 1977. Arctic oceanographic survey, 1977. Ocean and Aquatic Sciences, Central Region, Burlington. Field Rep. Ser. No. 77-2. 39 p.

Peck, G.S., 1978. Arctic oceanographic data report, 1977. Viscount Melville Sound. Ocean and Aquatic Sciences, Central Region. Data Rep. Ser. No. 78-3. 150 p., illustrations.

Peck, G.S., 1980. Arctic oceanographic data report, 1978. Vol 2. Ocean and Aquatic Sciences, Central Region, Burlington. Data Rep. Ser. No. 80-1. 163 p., illustrations.

Phil. Trans. Roy. Soc., London, 1875. Vol. 165. pp. 340-345.

Polar Gas Project, 1979. M'Clure Strait marine geophysical investigation - April 1979. By Polar Gas Project, Toronto, Ontario for Combined Pipeline System Study. 73 p.

Prestwich, J., 1875. Tables of temperature of the sea at various depths below the surface taken between 1749 and 1868. Phil. Trans. Roy. Soc., London, 165B. pp. 587-674.

Prinsenberg, S.J., 1978. Arctic oceanographic data report 1978, Vol. 1. Ocean and Aquatic Sciences, Central Region, Burlington. Data Report Series 78-4. 211 p., illustrations.

Prinsenberg, S.J. and D. Sosnoski, 1983a. Arctic Oceanographic Data Report 1981, Vol. 1. Dept. of Ocean Science and Surveys, Bayfield lab. for Marine Science and Surveys, Burlington, Ontario. Data Report Series No. 83-2.

Prinsenberg, S.J. and D. Sosnoski, 1983b. Arctic Oceanographic Data Report 1982, Vol 1. Dept. of Ocean Science and Surveys, Bayfield Lab. for Marine Science and Surveys, Burlington, Ontario. Data Report Series No. 83-3.

Prinsenberg, S.J. and D. Sosnoski, 1983c. Arctic Oceanographic Data Report 1983, Barrow Strait, Vol 1. Unpub. man. prepared by Dept. of Ocean Science and Surveys, Bayfield Lab. DR 83-6. 344 p.

Proceeding Royal Society, 1885. Vol. 39. pp. 174-175, 194-195.

Pullen, H.F., 1979. The Pullen Expedition in Search of Sir John Franklin. The Arctic History Press, Toronto, Canada. 230 p., maps.

Riis-Carstensen, E., The Godthaab expedition 1928. The hydrographic work and material. Meddeleiser om Gronland(78). pp. 1-101.

Ross, J.C., 1854. On the effect of the pressure of the atmosphere on the mean level of the ocean. Trans. Royal Society 144. pp. 285-296.

Ross, Sir John, 1819. A Voyage of Discovery. John Murray, London.

Sadler, H.E., H.V. Serson, and R.K. Chow, 1979. The oceanography of Fury and Hecla Strait. Def. Res. Est. Pacific, Victoria, B.C. Tech. Mem. 79-11. 61 p. plus appendices.

Sekerak, A.D., R.A. Buchanan, W.B. Griffiths, and M.G. Foy, 1976. Biological oceanographic studies in Lancaster Sound, 1976. Unpub. rep. by LGL, Toronto, for Norlands Petroleum Ltd., Calgary. 243 p.

Sekerak, A.D., D. Thompson, H. Bain, and J. Acreman, 1976. Summer surveys of the marine ecology of Creswell Bay, Cornwallis Island, N.W.T. 1975. Unpub. Rep. by LGL, Toronto for the Polar Gas Project.

Serson, H.V., 1976. An oceanographic survey of Fury and Hecla Strait. Defence Research Establishment Ottawa, Tech. Note 76-14. 45 p.

Shirasawa, K., 1986. Water stress and ocean current measurements under first-year sea ice in the Canadian Arctic. J. Geophys. Res. 91(C12). pp. 14305-14316.

Smith, R.W., 1974. Sedimentological - micropaleontological analysis of bottom sediments from Resolute Bay. The James Allister MacInnis Foundation Arctic diving expeditions. Vol. III. 140 p.

Stephenson, F., 1977. An assessment of the permanent water level stations in the Canadian Arctic. Lighthouse 16. pp. 21-25.

Stirling, I. and H. Cleator (Ed.), 1981. Polynyas in the Canadian Arctic. Occasional paper No. 45. Can. Wildlife Serv., Env. Canada. 73 p.

Sweers, H.E., 1970. OCEANS IV. A processing, archival and retrieving system for oceanographic station data. Dept. of Energy, Mines and Resources, Mar. Sc. Br., Ottawa. Man. Rep. No. 15. 137 p.

Tan, F.C. and P.M. Strain, 1980. The distribution of sea-ice meltwater in the eastern Canadian Arctic. J. Geophys. Res 85(C4). pp. 1925-1932.

Taylor, R.B., 1975. Coastal investigations of northern Somerset Island and Barrow Strait, District of Franklin. Energy, Mines and Resources, Geol. Survey of Canada, Ottawa. Paper 75-1. pp. 501-504.

Thomas, D.J., P.E. Erickson, and J.D. Popham, 1983. Chemical and biological studies at Strathcona Sound, N.W.T., 1982. Unpub. Rep. by Arctic Laboratories Ltd. for Dept. of Indian Affairs & Northern Development. 119 p. plus appendices.

Thomas, D.J., R.W. Macdonald, A.G. Francis, V. Wood, and A.B. Cornford, 1983. Arctic Data Compilation and Appraisal. Vol. 4. Northwest Passage: Chemical Oceanography. Can. Data Rep. Hydrogr. Ocean Sci. 5: (Volume 4). 200 p.

Thomson, D., W.E. Cross, H. Bain, and L. Patterson, 1978. Aspects of the spring and summer marine environment of Brentford Bay, Boothia Peninsula, N.W.T. Unpub. rep. by LGL, Toronto for the Polar Gas Project. 203 p.

Thomson, D., S. Woods, and J. Acreman, 1975. Marine ecology survey in the central portion of the Canadian Arctic Islands, 1974. Marine Sciences Centre, McGill University report for Polar Gas Project, Toronto. 77 p.

Tully, J.P., 1952. Oceanographic data of the western Canadian Arctic region, 1935-37. J. Fish. Res. Board Can. 8. pp. 378-382.

U.S. Coast Guard, 1972. Oceanographic conditions in the northern Baffin Bay region, 24 July - 6 August 1970. U.S. Coast Guard, Washington, D.C. Ocean. Rep. No. 54 CG-373-54.

U.S. Navy Hydrographic Office, 1954a. Oceanographic observations, Arctic waters - USS Edisto and USS Atka. Washington, D.C.. Pub. 618-A. 315 p.

U.S. Navy Hydrographic Office, 1954b. Oceanographic observations - USS Burton Island 1950-53. Washington, D.C. Pub. 618-C. 309 p., 6 charts.

U.S. Navy Hydrographic Office, 1956. Oceanographic survey results, Beaufort Sea area - summer 1954. USS Burton Island (AGB-1) and USCGC Northwind (WAGB-282). H.O. Pub. 15791. 104 p.

U.S. Navy Hydrographic Office, 1959. Oceanographic observations, Arctic Waters. Task Force 5 and 6. Summer-Autumn 1957; USCGC Eastwind, USCGC Westwind, USCGC Spar, USS Atka, USS Eldorado. Washington, D.C. Tech. Rep. No. 59. 145 p., illustrations.

U.S. Navy Hydrographic Office, 1960. Oceanographic observations, Arctic Waters. Task Force 5 and 6. Summer-Autumn 1956; USCGC Resolute, USCGC Eldorado, USCGC Atka, USS Eastwind. Washington, D.C. Tech. Rep. No. 58. 89 p., illustrations.

U.S. Navy Oceanographic Office, 1959. Oceanographic data report, Arctic, 1959. Washington, D.C. Inf. man. Rep. No. 0-43-63. 245 p., maps.

Verrall, R.I., J.H. Ganton, and A.R. Milne, 1974. An ice drift measurement in western Parry Channel. Arctic 27(1). pp. 47-52.

Walker, E.R., 1977. Aspects of oceanography in the Archipelago. Inst. of Ocean Sciences, Sidney, B.C. Note-3. 186 p.

Walker, E.R. and K.D. Chapman, 1973. Salinity-conductivity formulae compared. Dept. of Environment, Mar. Sc. Directorate, Pacific Region, Victoria, B.C. Pac. Mar. Sc. Rep. 73-5. 52 p.

Winchester, J.W., 1954. A study of the movement of arctic sea-ice in the Canadian Arctic in relation to meteorological, geographical and oceanographic parameters. Bull. Am. Met. Soc 35(9). pp. 417-427.

8. DATA INVENTORY TABLE 1 - SUMMARY LISTING OF DATA SETS

Table 1 summarizes the data sets included in this inventory, sequentially by data-set number. Water-property, moored current-meter, surface-drift, water-level and wave data are catalogued. BT data are not fully catalogued, however their existence has been noted in Table 1, and their general distribution may be deduced from the pattern of stations for a particular cruise, as they were usually collected at and along the track between stations. Over-the-side current measurements of short duration made with fixed-depth or profiling current meters have not been fully inventoried, however attempts were made to include all such data covering one tidal cycle or more.

Each column of the table contains the following information (symbols and abbreviations used in each column are explained as well):

Column 1 - Data Set I.D.

- contains the data-set identifier number, which is of the form yy-nnnn, where yy* are the last two digits of the year in which the data set was collected, and nnnn is the sequential number of the data set for that particular year. (The series of data-set numbers applies to the whole set of inventories; gaps may appear in the sequence in any one inventory where data sets exist only in other areas or disciplines. A data set which appears in two or more areas or disciplines will have the same number in every case.) Data sets may be sub-divided by the addition of a letter at the end of the number. Sub-divisions have been used when different cruises have been grouped under one I.D. number, or when different programs were conducted on the same cruise. In the case of water-level stations, where data were collected at the same location intermittently or continuously over more than one year, one I.D. number has been used to represent the entire data set.

Column 2 - Ship or collecting agency

- contains the name of the ship (underlined), platform and/or agency.

Column 3 - Dates of measurements

- gives the dates spanning the period during which measurements were taken in the area covered by the inventory. The year is given by the first two digits of the data set number in column 1, unless the measurement period spans the end of a year, in which case it is given explicitly. Question marks mean the dates could not be confirmed, generally due to poor/lack of documentation.

* For pre 1900 data the year is written out in full.

Column 4 - Quantity measured

- lists the physical parameters measured in the data set. a quantity followed by a ? means that reference to such measurement was made but no supporting details were available. Measurements identified as "Current" are Eulerian current measurements (made at a fixed location); "Current drift" refers to Lagrangian measurements. "Current profiles" are spot measurements at certain depths.

Column 5 - Instruments or methods used

- lists the instruments and methods used to made the measurements. The entries appear opposite the names of the quantities they measure. A question mark after the entry denotes an assumption, i.e. that the method used was not explicitly stated and an assumption was made from the standard practice at the time. A question mark alone means that the instrument used is unknown. In such cases no estimates of precision and accuracy are given.

Column 6 - Estimate of data precision an accuracy

- lists the estimates of the precision (repeatability) and accuracy for each instrument opposite the entry for that instrument in column 5. For instruments of a digital nature, the precision specified is based on the resolution of the instrument. Where possible, estimates made by the original investigators are used. They are entered as two numbers of the form $\pm n_1$, n_2 where n_1 is the precision and n_2 the accuracy. Where investigator's estimates were not available, the following special symbols and entries may have been used:

$[\pm n_1, n_2]$: standard oceanographic methods were used, which would normally result in these values. The techniques and precision/accuracy used in this context are:

BT	[±0.2, 0.2C°]
Reversing thermometer	[±0.02, 0.03C°]
Salinity - Hydrometer	[±0.2, 0.2°/oo]
Salinity - Refractometer	[±0.5, 0.5°/oo]
Salinity - Titration	[±0.02, 0.04°/oo]
Salinity - Bench salinometer	[±0.01, 0.02°/oo] [The make/model of salinometer is often unknown, but may be specified in Appendix 1]
High Quality CTD/STD	[±0.005, 0.01C°], [±0.005, 0.02°/oo]

$\pm n_1$ @: manufacturer's specifications for that instrument.

$\pm n_1$?: an estimate has been given which is questionable for reasons detailed in Appendix 1.

The column is blank where no information was available and no reasonable assumption could be made.

Column 7 – Data rating number

- carries the data rating number assigned as explained in Section 5.

Column 8 – Area

- lists the areas in which the majority of the measurements in the data set were taken. (The areas are defined in Figure 1.)

Column 9 – Concurrent measurements

- lists known measurements in other disciplines taken as part of the data set. Abbreviations are explained in Appendix 3. Further measurements may have been taken, but were not discovered while cataloguing the physical oceanographic data, and therefore cannot be listed. Unless otherwise specified (as sediment or ice for example), the medium within which the concurrent measurements were obtained is the water column.

Column 10 – Source or reference

- lists a primary source or reference for the data set. Data sets held in the data banks at the Marine Environmental Data Service, Ottawa or at the National Oceanographic Data Centre, Washington D.C. are identified, respectively by the entries MEDS* and NODC* followed by the data bank's identity number. A MEDS number alone does not necessarily mean that the data are not stored at NODC. If MEDS does not have the data then a NODC number is given if they are stored there. Appendix 2 lists addresses and contacts for these sources. Other references and reports are listed in Section 10.3.

NORTHWEST PASSAGE

TABLE 1: SUMMARY LISTING OF DATA SETS

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
1820-0002	Captain Parry	May 5-Jun.2	Water level	Staff	± ?, ? cm	3	Winter Harbour (Melville Is.)		Parry (1821) MEDS WL Stn. #5645
1848-0002	Captain Ross, British Vessels ENTERPRISE & INVESTIGATOR	Nov.1'48-Jul.31'49	Water level	Staff	± ?, ? cm	3	Port Leopold (Somerset Is.)	Atmospheric pressure	Proc. Roy. Society (1885) Bolduc, Taylor & Barber (1986)
1858-0001	British Vessels	Nov.2'58-Feb.28'59	Water level	Staff?	± ?, ? cm	2	Beechey Island		Proc. Roy. Society
1859-0001	British Vessels	Jul.1-29	Water level	Staff?	± ?, ? cm	2	Bellot Strait		Phil. Trans. (1875)
08-0001	ARCTIC?	Nov.1'08-Mar.30'09	Water level	?	± ?, ? cm	2	Winter Harbour (Melville Is.)		MEDS WL Stn. #5645
10-0001	ARCTIC?	Dec.1'10-Apr.30'11	Water level	?	± ?, ? cm	2	Admiralty Inlet		MEDS WL Stn. #5865
15-0001	Canadian Arctic Expedition	Jun.6-23, Oct.8-Nov.8, Dec.4-12	Water level Currents?	Temporary shore-mounted gauge ?	±.6 cm for Armstrong Pt. record	1	Prince of Wales Strait, Dolphin & Union Strait	Biological, zooplankton	Dawson (1920)
15-0002	Canadian Arctic Expedition	Dec.1'15-Jun.30'16	Water level	?	±?, ? cm	2	Dolphin & Union Strait		MEDS WL Stn. #6310
28-0001	GODTHAAB Expedition	Aug.20	Temperature Salinity	Rev. therm. Knudsen titration	±.016,[.03]C° [±.02,.04°/..]	3 3	Lancaster Sound	O_2,hydrogen ion	Riis-Carstensen (1931) NODC #50012
35-0001	ST. ROCHE, Pacific Biol. Station	Aug.31, Sept.11-12	Temperature Salinity	Rev. therm. Hydrometer/ specific gravity	[±.02,.03C°] [±.02,.04°/..]	2 2	Coronation Gulf	Biological-cumacea,decapoda,polycheata, hydroids	Tully (1952)
37-0001	ST. ROCHE, Pacific Biol. Station	Jul.11-29, Aug.2-12	Temperature Salinity	Rev. therm. Hydrometer/ specific gravity	[±.02,.03C°] [±.2,.2°/..]	2 2	Coronation Gulf, Dolphin and Union Str.	Biological-cumacea,decapoda,polycheata, hydroids	Tully (1952)
46-0001	USCGC NORTHWIND	Jul.24-Aug.18	Temperature Salinity	Rev. therm., BT ?	[±.02,.03C°] [±.2,.2C°] ± ?, ? °/..	3 3	Lancaster Sound	Bottom sediment,plankton	Metcalf (1949)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

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Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
48-0001	USCGC EASTWIND, Woods Hole Ocean. Inst. for US Navy Hydr. Office	Sept.4-10	Temperature Salinity	Rev. therm., BT ?	[±.02,.03C°] [±.2,.2C°]	3 2	Barrow Strait, Gulf of Boothia Fury & Hecla Strait		Metcalf (1949) NODC # 31EW50376
48-0002	US Coast & Geod. Survey	?	Water level	?		2	Winter Harbour (Melville Is.)		US Coast & Geod. Survey
49-0001	Canadian Hydrographic Service	Jul.1'49-May 31'52	Water level	?		2	Barrow Strait		MEDS WL Stn. #5560
50-0002	USS EDISTO, US Navy Hydr. Office	Aug.17	Temperature Salinity	Rev. therm., BT ?	[±.02,.03C°] [±.2,.2C°]	3 2	Barrow Strait	O_2, secchi	USNHO (1954a) NODC #31ED50375
52-0003	USS EDISTO, US Navy Hydr. Office	Aug.8-13	Temperature Salinity	Rev. therm., BT ?	[±.02,.03C°] [±.2,.2C°]	3 2	Barrow Strait, Visc. Melville Sound	O_2, secchi, bottom samples	USNHO (1954a) NODC #31ED50368 MEDS #180052040
53-0001	USS BURTON ISLAND, US Navy Hydr. Office	Aug.14-Sept.1	Temperature Salinity Currents	Rev. therm., BT Knudsen titration Bi-plane drogue	[±.02,.03C°] [±.2,.2C°] [±.02,.04°/oo]	3 3 3	Prince of Wales Strait	O_2, PO_4, SiO_3, bottom sediment, plankton	USNHO (1954b) NODC #31BI50430
53-0002	?Unknown	Aug.16-18	Temperature	?		2	?		MEDS #180053040
53-0003	Canadian Hydrographic Service	Jul.20-Aug.27	Water level	?		2	M'Clure Strait		MEDS WL Stn. #5740, #5750, #5760
54-0001	HMCS LABRADOR	Jul.30-Sept.5	Temperature Salinity	Rev. therm., BT Knudsen titration	[±.02,.03C°] [±.2,.2C°] [±.02,.04°/oo]	3 3	Lancaster Sd., Barrow Strait, Visc. Melville Sd., Pr. Wales Strait	Plankton, O_2, bottom samples, PO_4	Bailey (1955) MEDS #180354189, #180054031, #180054040
54-0002	USS BURTON ISLAND, US Navy Hydr. Office	Aug.11-Sept.6	Temperature Salinity	Rev. therm., BT Knudsen titration	[±.02,.03C°] [±.2,.2C°] [±.02,.04°/oo]	3 3	Pr. Wales Str., M'Clure Str., Visc. Melville Sd.	O_2, PO_4, bottom samples, transparency	USNHO (1956) NODC #3150456

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TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
54-0003	USCGC NORTHWIND, US Navy Hydr. Office	Aug.14 Sept.6	Temperature Salinity	Rev. therm. Knudsen titration	[±.02,.03C°] [±.02,.04°/oo]	3 3	Visc. Melville Sound, Prince of Wales Str., M'Clure Str.	O_2,PO_4, SiO_3,Bottom sediments	USNHO (1956) NODC #3150457
54-0004	McGill University	May 28'54- Apr.26'55	Temperature Salinity	Rev. therm. Titration, Hydrometer	±?,.05C° ±?,.1°/oo ±?,.2°/oo	3 3	Coronation Gulf, Admiralty Inlet, Lancaster Sd.	Marine animal collection, berthos,fish	Ellis (1956) MEDS #181754451
54-0005	Canadian Hydrographic Service	Jun.1- Sept.30	Water level	?		2	Barrow Strait (Resolute)		MEDS WL Stn. #5560
55-0003	Canadian Hydrographic Service	Aug.8-13	Water level	?		2	Rae Strait		MEDS WL Stn. #6160
56-0001	USS REQUISITE, US Navy Hydrographic Office	Aug.4-22	Temperature Salinity Current profiles	Rev. therm. Knudsen titration? Ekman meter	[±.02,.03C°] [±.02,.04°/oo] ±?, ? cm/s	3 3 3	Coronation Gulf, Queen Maud Gulf, Dolphin & Union Strait	Bottom sediments	USNHO (1960) NODC #3150548
56-0002	Woods Hole Ocean. Inst.	Jul.18- Aug.28	Temperature Salinity	Thermometer Hydrometer	±?, ? °C [±.2,.2°/oo]	1 1	Barrow Strait (Allen Bay)	Plankton,O_2, PO_4,P,Chl.A, secchi	Apolonio (1957)
56-0003	HMCS LABRADOR	Sept.16- Oct.1	Temperature Salinity	Rev. therm. Knudsen titration	[±.02,.03C°] [±.02,.04°/oo]	3 3	Glf.of Boothia, Pr. Regent In., Barrow Str., Lancaster Sd.	O_2,PO_4, bottom samples	Collin (1958) MEDS #180356219, #180056031, #180056032 #180056040
56-0004	Canadian Hydrographic Service	Sept.1-30	Water level	USCGS portable gauge	±?, ? cm	1	Dolphin & Union Strait		MEDS WL Stn. #6310
57-0001	USCGC SPAR, US Navy Hydrographic Office	Aug.2- Sept.9	Temperature Salinity Current profiles	Rev. therm., BT Knudsen titration? Ekman meter?	[±.02,.03C°] [±.2,.2C°] [±.02,.04°/oo]	3 3 3	Queen Maud Glf., Rae Str., Pr. Regent In., Lancaster Sd. Coronation Glf.	Bottom sediments	USNHO (1959) NODC #3150570
57-0003	CCGS LABRADOR, McGill University	Aug.20- Sept.24	Temperature Salinity	Rev. therm. Knudsen titration	[±.02,.03C°] [±.02,.04°/oo]	3 3	Lancaster Sd., Pr. Regent In., Barrow Strait, Peel Sound	O_2,PO_4	Collin (1962) MEDS #180357244, #180057031, #180057032 #180057040

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
57-0004	Canadian Hydrographic Service	Aug.'57-present (permanent station)	Water level	Aanderaa (1977 on)	[±.3,3 cm]	3	Barrow Strait (Resolute)		Stephenson (1977) Dohler (1958) MEDS WL Stn. #5560
57-0005	Canadian Hydrographic Service	Aug.23-Sept.6	Water level	?		2	Bellot Strait		Institute of Ocean Sciences, Stn. #6100, #5930
59-0002	USS STATEN ISLAND, US Navy Oceanographic Office	Aug.16-26	Temperature Salinity	Rev. therm., BT Salinometer	±[.02],.03C° [±.2,.2C°] [±.01,.02°/..]	3 3	Dolphin & Union Strait	Bottom sediments	USNHO (1959) NODC #3150636
59-0003	Pacific Naval Laboratory	May 7	Temperature Salinity	? ?		2 2	Barrow Strait	Acoustic research	Milne (1960)
59-0004	Canadian Hydrographic Service	Aug.1'59-Sept.30'60	Water level	?		2	Rae Strait (Spence Bay)		MEDS WL Stn. #6150
60-0004	MV THETA, Nat'l. Research Council	Aug.22-Sept.24	Temperature Salinity	Rev. therm., BT Salinometer	[±.02,.03C°] [±.2,.2C°] [±.01,.02°/..]	3 3	Lancaster Sound	Bottom samples	CODC (1964) MEDS #180760329, #180060000
60-0005	CCGS LABRADOR	Aug.29-Sept.16	Temperature Salinity	Rev. therm., BT Knudsen titration	[±.02,.03C°] [±.2,.2C°] [±.02,.04°/..]	3 3	Gf. of Boothia, Fury & Hecla Strait, Pr. Regent In., Barrow Str., Lancaster Sd.	Plankton	CODC (1964) MEDS #181060340, #180060001
60-0006	Canadian Hydrographic Service	Aug.1'60 Sept.30'61	Water level	?		2	Fury & Hecla Strait, Lancaster Sound		MEDS WL Stn. #5330, #5430, #5500
60-0008	CSS BAFFIN	Sept.11-12	Current profiles	Ekman meter	±?, ? cm/s	3	Fury & Hecla Strait	Bottom sediment	Barber (1965)
61-0003	CCGS SIR JOHN A. MACDONALD, Nat'l. Research Council	Sept.3-13	Temperature Salinity	Rev. therm., BT Salinometer	[±.02,.03C°] [±.2,.2C°] [±.02,.04°/..]	1 1	Gf. of Boothia, Fury & Hecla Str., Byam & Austin Ch.		CODC (1966a) MEDS #180761344, #180061003
61-0004	CCGS LABRADOR	Aug. 28-Sept.14	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] ±.004,[.02]°/..	1 1	Lancaster Sd., Barrow Str., Visc. Melville Sd., Pr. Regent Inlet	Plankton, O_2	CODC (1966a) MEDS #181061341, #180061001

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
61-0005	Aircraft, Polar Continental Shelf Project	Apr.16-19	Temperature Salinity	Rev. therm. ?	[±.02,.03C°]	2 2	M'Clure Strait		MEDS #181161339
61-0006	Canadian Hydrographic Service	Jul.'61-present (permanent station)	Water level	Ott, Stevens A71	[±.3,3 cm]	3	Dease Strait (Cambridge Bay)		Stephenson (1977) MEDS WL Stn. #6240
61-0007	Canadian Hydrographic Service	Jan.1-Jun.30	Water level	?		2	Dease Strait, Barrow Strait, Admiralty In.		MEDS WL Stn. #5490, #5500, #5860, #6240
62-0001	MV SALVELINUS, Arc. Biol. Stn.	Jun.23-Aug. 29	Temperature Salinity	Rev. therm. Titration	[±.02,.03C°] [±.02,.04°/..]	3 3	M'Clure Strait, Prince of Wales Strait, Prince Regent Inlet, Dease Strait	O_2,fish	Hunter & Leach (1983)
62-0005A	Fish.Res.Bd. Canada (Arctic Unit, Montreal)	Jun.28-Aug.14	Temperature Salinity	Rev. therm. ?	[±.02,.03C°]	3 2	Barrow Strait (Allen Bay)	Plankton,fish, mammals,O_2, nutrients	CODC (1963) MEDS #180462363
62-0005B	Fish.Res.Bd. Canada (Arctic Unit, Montreal)	Jul.25-Aug.6	Temperature Salinity	Rev. therm. ?	[±.02,.03C°]	3 2	M'Clure Strait	Plankton,fish, mammals,O_2, nutrients	CODC (1963) MEDS #180462365
62-0005C	Fish.Res.Bd. Canada (Arctic Unit, Montreal)	Jun.23-Aug.13	Temperature Salinity	Rev. therm. ?	[±.02,.03C°]	3 2	Prince Regent Inlet	Plankton,fish, mammals,O_2, nutrients	CODC (1963) MEDS #180462366
62-0005D	Fish.Res.Bd. Canada (Arctic Unit, Montreal)	Aug.9-Sept.7	Temperature Salinity	Rev. therm. ?	[±.02,.03C°]	3 2	Dease Strait	Plankton,fish, mammals,O_2, nutrients	CODC (1963) MEDS #180462367
62-0006	CCGS SIR JOHN A. MACDONALD	Aug.5-Sept.10	Temperature Salinity	Rev. therm., BT Salinometer	[±.02,.03C°] [±.2,.2C°] [±.01,.02°/..]	3 3	Barrow Str., M'Clure Str., M'Clintock Ch., Pr. Regent In.	Vertical plankton, O_2	CODC (1966a) MEDS #181062359, #180062086
62-0007	CCGS LABRADOR	Oct.2-4	Temperature Salinity	Rev. therm., BT Salinometer	[±.02,.03C°] [±.2,.2C°] ±.005,[.02]°/..	3 3	Lancaster Sound	O_2,benthos, plankton	CODC (1967) MEDS #181062362
62-0008	Canadian Hydrographic Service	Aug.8-Sept.7	Water level	?		2	Barrow Strait		MEDS WL Stn. #5600
63-0004	CCGS SIR JOHN A. MACDONALD	Sept.4-6	Temperature Salinity	? ?		2 2	Prince Regent Inlet		MEDS #180263004

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measure-ments	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
64-0001	MV SALVELINUS, Arc. Biol. Stn.	Aug.21-Sept.8	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Coronation Gulf, Dease Strait	Fish,plankton	Hunter & Leach (1983) MEDS #180464001
64-0004	CCGS SIR JOHN A. MACDONALD, Arc. Biol. Stn.	Aug.26-Sept.5	Temperature Salinity	Rev. therm. ?	[±.02,.03C°]	2 2	Visc. Melville Sound		MEDS #180264008
65-0002	MV SALVELINUS, Arc. Biol. Stn.	Jul.29-Sept.5	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Coronation Gf., Dease Strait	O_2,fish, secchi	Hunter & Leach (1983) MEDS #180465001
65-0003	Ice Pack, Nat'l. Research Council	May 18-Jul.	Temperature Salinity	? ?		2 2	Stanwell-Fletcher Lake (Somerset Is.)		MEDS #180765002
65-0004	Frozen Sea Research Group, Bedford Inst.of Oceanography	Bimonthly 1965-1968	Temperature Salinity	Thermistor Salinometer	±.01,.01C° ±.02,.1°/..	3 3	Cambridge Bay		Lewis & Walker (1970)
66-0003	Nat'l Research Council?	May 5-Jun.24	Temperature	?		2	Prince Regent Inlet		MEDS #180766002
66-0004	USS EDISTO	Aug.6-17	Temperature Salinity	Rev. therm. Salinometer	±.006,.01C° ±.005,[.02]°/..	3 3	Lancaster Sound	O_2,plankton,	Palfrey & Day (1968) NODC #31ED50807
66-0005	MV SALVELINUS, Arc. Biol. Stn.	Jun.23-Sept.7	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Dease Strait	O_2	Hunter & Leach (1983) MEDS #180466001
66-0006	Ice Pack, Nat'l. Research Council?	Apr.25-May 5	Temperature Salinity	? ?		2 2	M'Clure Strait		MEDS #180266005
67-0001	MV SALVELINUS, Arc. Biol. Stn.	Jun.23-Nov.23	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Dease Strait	O_2,PO_4, NO_3,fish	Hunter & Leach (1983) MEDS #180467001, #180467003
67-0002	CCGS LABRADOR, Pacific Ocean. Group	Aug.17-Sept.9	Temperature Salinity	Rev. therm., BT CTD/salinometer	[±.02,.03C°] [.2,.2C°] See Appendix 1	3 3	Barrow Strait, Lancaster Sd., Visc. Melville Sound		CODC (1968) MEDS #180267013
68-0001	CCGS LABRADOR, Fish.Res.Bd., Biol.Stn.	Aug.24-Sept.10	Temperature Salinity	Rev. therm., BT CTD/salinometer	[±.02,.03C°] [.2,.2C°] [±.01,.02°/..]	3 3	Visc. Melville Sd.,Wellington Ch., Lancaster Sound	O_2,benthos	Herlinveaux (1970) MEDS #180268013
68-0002	Frozen Sea Research Group, Bedford Inst.of Oceanography	Feb. 18	Temperature Salinity	Thermistor Salinometer	±?,.01C° [±.01,.02°/..]	3 3	Cambridge Bay		Lewis & Walker (1970)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
68-0069	MV SALVELINUS, Arc. Biol. Stn.	Jul.1-Sept.4	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Dease Strait, Bathurst Inlet	Plankton, O_2, fish, benthos	Hunter & Leach (1983)
69-0003	Canadian Hydrographic Service	Aug.'69-present (permanent station)	Water level	Ott, Stevens A71	[±.3,3 cm]	3	Rae Strait (Spence Bay)		Stephenson (1977) MEDS WL Stn. #6150
69-0069	MV SALVELINUS, Arc. Biol. Stn.	Jul.1-8, Aug.9-Sept.7	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Bathurst Inlet, Dease Strait	Plankton, fish, benthos	Hunter & Leach (1983)
70-0002	CSS HUDSON, Bedford Inst.of Oceanography	Sept.24-30	Temperature Salinity	Rev. therm. Salinometer	[±.02,.03C°] [±.01,.02°/..]	3 3	Visc. Melville Sd., Pr. Wales Str., Barrow Str.		Vilks (1973) MEDS #181069050 NODC #50833
70-0006	USCGC WESTWIND, University of Washington	Jul.24-25	Temperature Salinity	Bissett-Berman Model 9060 STD	±.05,.05C° ±.02,.05°/..	3 3	Lancaster Sound		USCG (1972) MEDS #31WE81800, #31WE16800 NODC #31WE51680
70-0007	Canadian Hydrographic Service	Aug.31-Sept.15	Water level	?		2	Prince of Wales Strait		On file at Tides & Currents, IOS
70-0072	MV SALVELINUS, Arc. Biol. Stn.	Aug.13-21	Temperature	Rev. therm.	[±.02,.03C°]	3	Dease Strait, Coronation Glf.	Benthos, fish	Hunter & Leach (1983)
70-0073A	MacInnis Foundation	Aug.28-Sept.1	Temperature	?		2	Resolute Bay	Fish, benthos, algae, sediment, photography, audio recordings	MacInnis (1971)
70-0073B	MacInnis Foundation	Feb.11-19'71	Temperature	?		2	Resolute Bay	Fish, benthos, algae, sediment, photography, audio recordings	MacInnis (1971)
71-0006	Bedford Inst.of Oceanography	Sept.8'71-Apr.15'72	Temperature Salinity	Guildline Model 8101A CTD	±?,.005 to .5C° ±?,.05°/..	3 3	Cambridge Bay		Institute of Ocean Sciences (1973)
71-0007	Canadian Hydrographic Service	Sept.'71-present (permanent station)	Water level	Ott, Stevens A71	[±.3,3 cm]	3	Coronation Gulf (Coppermine)		Stephenson (1977) MEDS WL Stn. #6290
71-0008	Canadian Hydrographic Service	Aug.-Sept.	Water level	Ott	[±.3, 3 cm]	3	Barrow Strait		MEDS WL Stn. #5600, #5615

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
72-0011	CCGS LOUIS S. ST. LAURENT	Sept.24-29	Temperature Salinity Current profiles	Rev. therm., BT Salinometer ?	[±.02,.03C°] [±.2,.2C°] [±.01,.02°/..]	3 3 2	Barrow Strait, Wellington Ch.	O_2,SI,PO_4, NO_3,bottom grab samples, plankton	Herlinveaux & Wilson (1974)
72-0017	CCGS LABRADOR, Bedford Inst.of Oceanography	Aug.20	Temperature (surface)	Thermometer?	±?, ?	2	Barrow Strait	Tar,HEC,BEC	Levy & Moffatt (1975)
72-0119	James Allister MacInnis Foundation,Arc. Diving Exped.	Nov.22-Dec.22	Temperature	?		2	Barrow Strait (Resolute Bay)	Fish,plankton, sediment, benthos	Andersen (1973)
73-0005	CCGS LOUIS S. ST. LAURENT	Aug.6	Temperature Salinity	? ?		2 2	Lancaster Sound	PO_4,NO_2, NO_3,SIO_3	Codispoti & Owens (1975) MEDS #32SL83650
73-0006	Ice Base, Institute of Ocean Sciences	Apr.18-23	Temperature Salinity Currents Current profiles	Guildline Model 8101 CTD Aanderaa RCM4 Hydroproducts	±?,.02C° ±?,.04°/.. ±2.2 cm/s threshold ±1.5 cm/s, ±2.6 cm/s threshold	3 3 3 3	Barrow Strait	SIO_3,NO_3, PO_4	Herlinveaux, Fissel & Wilson (1978)
73-0007	Canadian Hydrographic Service	Aug.'73 Sept.'74	Water level	?		2	Visc. Melville Sound, Barrow Strait		MEDS WL Stn. #5530, #6833
73-0008	SIR WILLIAM ALEXANDER, Inst. of Ocean Sciences	Aug.27-Sept.5	Temperature Salinity Current profiles	Guildline 8101 CTD Hydroproducts	accuracy: ±.02,.04°/.. @ ±1.5 cm/s @,2.6 cm/s threshold	3 3 3	Barrow Strait, Wellington Ch.	Nutrients, O_2	Herlinveaux, Fissel & Wilson(in preparation)
73-0009A	CSS BAFFIN, Bedford Inst.of Oceanography	Aug.7, Sept.19	Temperature (surface)	Thermometer?	±?, ?	2	Lancaster Sound	Tar,HEC,BEC	Levy & Moffatt (1975)
74-0012	Geological Survey of Canada	Jun.-Sept.	Temperature Salinity Currents	Yellow spring Instruments CTD Drogues	±?, ? ±?, ? ±?, ?	2 2 2	Barrow Strait		Taylor (1975)
74-0013A	CSS HUDSON, Bedford Inst.of Oceanography	Aug.16-Sept.12	Currents Temperature (surface)	Hydrowerstatten Thermometer?	±?, ? ±?, ?	2 2	Lancaster Sound	Tar,HEC,BEC	Bedford Institute of Oceanography (1974) Levy & Moffatt (1975)
74-0013B	CSS HUDSON, Bedford Inst.of Oceanography	Aug.27-30	Temperature Salinity	STD	±?, ? ±?, ?	2 2	Barrow Strait		Bedford Institute of Oceanography (1974) Thomson, Woods & Acreman (1975)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
74-0014A	McGill University, Polar Gas Proj.	May 8-16	Temperature Salinity	Rev. therm. Refractometer	[±.02,.03C°] ±.25,.5°/..	3 3	Barrow Strait, Austin Channel	Plankton,Chl.A, PO_4,NO_3, benthos	Thomson, Woods & Acreman (1975)
74-0014B	Small boat, Marine Science Centre, McGill University	Aug.14-27	Temperature Salinity	? ?		2 2	Cunningham Inlet	Chl.A,PO_4	Thomson, Woods & Acreman (1975)
74-0015	BC Research for Strathcona Mineral Serv.	Aug.5-25 Aug.5-Oct.13	Temperature Salinity Currents Water level	Inter Ocean CTD-513 Bendix 29 Foxboro	±.02C°,? ● ±.02°/...? ● ±1 cm/s [±.3,3 cm]	3 3 3 3	Strathcona Sound	O_2,Zn,Pb,As, Cd,Cu,Fe,Ni, sediment,fish, plankton,secchi, benthos	BC Research (1975)
74-0017	Canadian Hydrographic Service	Jun.-Nov.	Water level	?		2	Bellot Strait		MEDS WL Stn. #5930, #6100
74-0127	James Allister MacInnis Foundation,Arc. Diving Exped.	Jun.1-8	Temperature	?		2	Barrow Strait (Resolute Bay)	Fish,plankton, sediment, benthos	
75-0013	LGL Ltd. for Polar Gas Project	Aug.2-25	Temperature Salinity	Rev. therm. Refractometer	±[.02],.05C° ±[.5],.5°/..	3 3	Creswell Bay, Resolute	NO_3,P,SIO_3, plankton,Chl.A, fish,benthos	Sekerak et al. (1976)
75-0014	Defence Research Estab. Ottawa	Apr.26-May 16	Currents Temperature Water level	? ? ?		2 2 2	Fury & Hecla Strait		Serson (1976) MEDS #182775002
75-0015	Canadian Hydrographic Service	July	Water level	?		2	Admiralty Inlet		MEDS WL Stn. #5860
75-0031A	BC Research for Strathcona Mineral Serv. Ltd.	March	Temperature Salinity Current	? ? ?		2 2 2	Strathcona Sound	pH	Walker (1977)
75-0031B	BC Research for Strathcona Mineral Serv. Ltd.	Jun., Aug.	Temperature Salinity	? ?		2 2	Strathcona Sound	O_2,pH,SPM, plankton,fish, benthos	Walker (1977)
76-0007	Defence Research Estab. Pacific	Apr.20-May 27	Temperature Salinity Currents Water level Temperature	Guildline Mark II CTD Marsh McBirney, Braincon Ott Gauges Braincon thermograph	±?,.01C° ±?, ? ±2 cm/s ±4-15 cm/s,±10° [±.3,3 cm] ±?,.1C°	3 3 3 3 3	Fury & Hecla Strait	O_2	Sadler, Serson & Chow (1979)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
76-0008A	MV THETA, LGL Ltd. for Norlands Petro.	Jul.22-Sept.13	Temperature Salinity	BT Refractometer	[±.2,.2C°] ±.5,.5°/..	3 1	Lancaster Sound	Hydrocarbons, plankton,O_2, Chl.A,fish	Sererak et al. (1976)
76-0008B	MV THETA, Oceanographic Serv. Inc. for Norlands Petro.	Jul.21-Sept.9	Wave Currents	Waverider Aanderaa	±1.5%, .5 m @ ±?, ? cm/s	3 2	Lancaster Sound		OSI (1976) Fissel (1981)
76-0009	Geological Survey of Canada	Apr.1-Sept.8	Temperature Salinity Water level?	YSI Probe	±?, ? ±?, ? ±?, ?	2 2 2	Barrow Strait	SPM	Morison & Taylor (1978)
76-0010	LGL Ltd. for Polar Gas Proj.	Jul.5	Temperature Salinity	Rev. therm. Refractometer	±[.02],.05C° ±[.5],.5°/..	3 3	Barrow Strait	NO_3,P,SiO_3, Chl.A,benthos, plankton,fish	Bain et al. (1977)
76-0011A	CSS HUDSON, Bedford Inst.of Oceanography	Aug.16-19	Temperature Salinity Wave	CTD, bottles Waverider	±?, ? ±?, ? ±1.5%,.5 m @	2 2 3	Lancaster Sound	Geophysical, ornithology, O_2	Bedford Institute of Oceanography (1976)
76-0013	Canadian Hydrographic Service	Jul.30-Sept.9	Water level	Aanderaa TG3A	[±.3,3 cm]	3	Dolphin & Union Strait		MEDS WL Stn. #6315
77-0011	Marine Sciences Centre, McGill University	May 6-29	Temperature Salinity Currents	Bissett-Berman CTD Inter Ocean Ultrasonic	±?,? ±?,?	2 2 2	Barrow Strait		Pounder (pers. comm.) Langleben (1982)
77-0012	Ocean & Aquatic Sciences, Central Region	Mar.9-Jun.2	Temperature Salinity Currents Water level	Guildline Mark IV CTD Geodyne Aanderaa	±[.002],.01C° ±[.005],.02°/.. ? [±.3, 3 cm]	3 3 2 3	Visc. Melville Sd.,M'Clure Str.,Pr. Wales Strait		Peck (1977, 1978)
77-0013	CCGS LABRADOR, Arctic Sciences Ltd.for Inst.of Ocean Sciences	Jul.28-Oct.1	Currents	Aanderaa RCM 4	±10° ±1 cm/s or 2% of speed	3	Lancaster Sound		Fissel & Wilton (1978)
77-0014	CSS HUDSON, Bedford Inst.of Oceanography	Sept.8-11	Temperature Salinity	Guildline Mark IV CTD	[±.005,.01C°] [±.005,.02°/..]	3 3	Lancaster Sound, Barrow Strait	O_2,CH_4,oil, alk_t,CO_3, SiO_3,NO_3,NH_3, POC,POH,PON,He, Ne,Mn,Fe,Ni,Cu, Cd,Chl.A,O^{18}	Bedford Institute of Oceanography (1977)
77-0015	LGL Ltd. for Polar Gas Proj.	May 17-29, Aug.24-Sept.4	Temperature Salinity	Rev. therm. & YSI probe	accuracy: ±.5C° ±1.°/..	3 3	Prince Regent Inlet	NO_3,NO_2, PO_4,SiO_3,Chl.A, plankton,fish, benthos	Thomson et al. (1978)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
77-0016	LGL Ltd. for Petro-Canada	Jun.9-14, Aug.2-31	Temperature Salinity	Rev. therm. YSI probe, Refractometer, Salinometer	±[.02],.05C° ±?,1°/.. ±[.5],.5°/.. [±.01,.02°/..]	3 3 3 3	Bridport Inlet	O_2,NO_3, Chl.A,plankton, NO_2,PO_4,SiO_3, benthos,fish	Buchanan, Cross & Thomson (1977)
77-0017	Bedford Inst.of Oceanography	Aug.22-Sept.3	Currents	Aanderaa	±?, ?	2	Coronaton Gulf		Bedford Institute of Oceanography
77-0018	CCGS LABRADOR, Helicopter, Arctic Sciences Ltd. for Inst. of Ocean Sciences	Jul.28-Oct.23	Surface drift	Polar Research Lab drifters	±5 km accuracy	3	Barrow Strait, Lancaster Sound,Peel Sound, Prince Regent Inlet		Fissel & Marko (1978)
77-0020	Institute of Ocean Sciences	1977	Water level	?		2	Dolphin & Union Strait		Institute of Ocean Sciences (Stn. #6300)
77-0021	Canadian Hydrographic Service	Jul.27-Sept.10	Water level	Aanderaa	[±.3,3 cm]	3	Dolphin & Union Strait		MEDS WL Stn. #6285, #6305, #6311, #6315
78-0003	Phoenix Ventures Ltd. for Petro-Can.	Feb.15-Jun.6	Temperature Salinity Currents Water level	Guildline model 8705 CTD Aanderaa RCM 4 Aanderaa	±?, ? ±?, ? ±5° [±.3,3 cm]	1 3 3	Bridport Inlet		Greisman (1978)
78-0004	Marine Sciences Centre, McGill University	Apr.21-May 28	Temperature Salinity Current profiles	CTD ?	±?, ? ±?, ?	2 2 2	Barrow Strait		Pounder (Pers. comm.)
78-0005A	MV THERON, Arctic Sciences Ltd. for Petro-Can.	Jul.28-Sept.23	Temperature Salinity	Guildline model 8706 CTD	±.005C° @ ±.005,.02°/..	3 3	Lancaster Sound		Lemon (1980)
78-0005B	MV THERON, Arctic Sciences Ltd. for Petro-Can.	Sept.19-20	Currents	Aanderaa RCM 4	±1 cm or 2% of speed, @ ±10-20 degrees	3	Lancaster Sound		Fissel & Wilton (1980)
78-0005C	Arctic Sciences Ltd. for Petro-Can.	Aug.4-Sept.23	Current drift	Drogued drifters	±?,2 km	3	Lancaster Sound	Iceberg tracking	Fissel (1980a)
78-0005D	MV THERON, Arctic Sciences Ltd. for Petro-Can.	Jul.28-Sept.20	Current profiles	Endeco 110	±30° ±12 cm/s accuracy	3	Lancaster Sound		Fissel & Birch (1980)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
78-0005E	Arctic Sciences Ltd. for Petro-Can.	Aug.22'78-May 12'79	Water level	AML TG-12A	[±.3,3 cm]	3	Lancaster Sound		Birch (1980b)
78-0006	Institute of Ocean Sciences	Aug.21-Oct.10	Temperature Salinity Water level	Aanderaa RCM 4 Aanderaa TG 4	±.005,.01C° ±.01 mmho/cm [±.3,3 cm]	3 3 3	Bridport Inlet	O_2	Lake (1978)
78-0007	Ocean & Aquatic Sciences, Central Region	Mar.10-Apr.29	Temperature Salinity Currents Water level	Guildline Mark IV CTD Aanderaa RCM 4 ?	±.005,.01C° ±?,.02°/.. ? ±1 cm/s	3 3 3 2	Barrow Strait		Prinsenberg (1978) Peck (1980)
79-0011A	MV THERON, Arctic Sciences Ltd. for	Jul.17-Sept.23	Temperature Salinity	Guildline model 8706 CTD	±.005,.05C° ±.005,.04°/..	3 3	Lancaster Sound		Lemon (1980) Petro-Can.
79-0011B	MV THERON, Arctic Sciences Ltd. for Petro-Can.	Jul.23-Sept.22	Currents	Aanderaa RCM 4	±20° 2% speed	3	Lancaster Sound		Fissel & Wilton (1980)
79-0011C	MV THERON, Arctic Sciences Ltd. for Petro-Can.	Aug.14-Nov.25	Current drift	Hermes drifters, ARGOS	±?,1.2 km	3	Lancaster Sound	Iceberg tracking, silica	Fissel (1980a)
79-0011D	MV THERON, Arctic Sciences Ltd. for Petro-Can.	Sept.2-10	Current profiles	Endeco 110	±30° ±12 cm/s accuracy	3	Lancaster Sound		Fissel & Birch (1980)
79-0012	Dobrocky Seatech for Kenting Explor. Serv.and Gas	Aug.28-Sept.24	Currents	Aanderaa RCM 4	±1 cm/s ±20° ? accuracy	3	Dolphin & Union Strait		Kashino (1979)
79-0013	Polar Gas Proj. for Combined	Feb.25-Apr.18	Currents Water level	Aanderaa RCM 4 ?	±?,?	1 2	M'Clure Strait	Bottom sediments,bottom profiles	Polar Gas Project (1979)
79-0014	Institute of Ocean Sciences	Mar.12-Jul.30	Temperature Salinity Water level Currents	Guildline 8101A CTD Aanderaa Aanderaa RCM 4	±.002,.01C° ±.005,[.02]°/.. [±.3,3 cm] ±7°.15 cm/s resolution	3 3 3 3	Bridport Inlet	O_2	Lake (1979)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
79-0015	Arctic Sciences Ltd. for Petro-Canada	Jul.8-Aug.8	Temperature Salinity Surface drift	AML CTD-12 Oil spill followers	±?,.02C° ±.03,.2°/.. ±3 m	3 3 3	Lancaster Sound		Birch (1980a)
79-0016	Canadian Hydrographic Service	Apr.8'79-Aug.28'80	Water level	Aanderaa	[±.3,3 cm]	3	Peel Sound, Rae Strait, Queen Maud Glf.		On file at BIO
80-0007	CSS HUDSON, Bedford Inst. of Oceanography (Mar.Ecol.Lab.)	Aug.5-20	Temperature Salinity Current profiles	Guildline 8770 CTD ?	±[.005],.02C° ±[.005],.02°/..	3 3 2	Lancaster Sound, Barrow Strait	O_2,SiO_3, PO_4,NO_3, SPM,fish, plankton	Bedford Institute of Oceanography (1980)
80-0008	MV POLAR HAV, Arctic Sciences Ltd. for Petro-Canada	Aug.9-Oct.5	Surface drift	Hermes drifters/ Argos satellite	±?,1.2 km	4	Lancaster Sound		Fissel & Birch (1981)
80-0009	Institute of Ocean Sciences	Mar.30-Apr.24	Temperature Salinity Currents Water level	Guildline CTD Aanderaa RCM 4 Aanderaa WLR5	±.005,.02C° ±?,.02°/.. ±.15,1.5 cm/s ±.3,3cm	3 3 3 3	Bridport Inlet	O_2	Lake (pers. comm.)
80-0010	Arctic Sciences Ltd. for Dome Petroleum Sciences	Aug.26-27, Sept.6	Ice and surface drift	Polar Research Lab/Argos satellite	±1.2 km	4	Visc. Melville Sound		Lemon, Wilson & Cuypers (1981)
80-0011A	Canadian Hydrographic Service	Mar.9-Apr.24	Water level	Aanderaa TG3A	[±.3,3 cm]	3	M'Clintock Ch.		Canadian Hydrographic Services, Bayfield Lab; Birch, Fissel & Lemon (1984)
80-0011B	Canadian Hydrographic Service	Aug.'80-Jun.'81	Water level	Aanderaa TG2A	[±.3,3 cm]	3	Cambridge Bay		On file at Tides & Currents, IOS
81-0007	Ocean & Aquatic Sciences, Central Region	Mar.31-Apr.25	Temperature Salinity Currents Current profiles	Guildline MK IV CTD Aanderaa RCM 4 CCIW developed	±?,.01C°? ±.005?,.02°/.. ±?,? cm/s ±?,? cm/s	3 3 3 3	Barrow Strait	Plankton,net hauls,ice bottom scrapings,PO_4, NO_3,NO_2,SiO_3	Brooks (1981) Prinsenberg & Sosnoski (1983a)
		Mar.'81-Apr.'82	Water level	?		2			
81-0008	Canadian Hydrographic Service	Mar.'81 Aug.'82	Water level	?		2	Barrow Strait, Cambridge Bay		Canadian Hydrographic Service, Bayfield Lab.

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
82-0002	Ocean & Aquatic Sciences, Central Region	Mar.16–Jun.23	Temperature Salinity Water level Currents	Guildline MK IV CTD ? Aanderaa	[±.005,.02C°] [±.005,.02°/..] ±?,? ±?,?cm/s	3 3 2 2	Barrow Strait	Nutrients, plankton	Prinsenberg & Sosnoski (1983b)
82-0003	Arctic Sciences Ltd. for Inst. of Ocean Sciences	Mar.19–Apr.6	Temperature Salinity	Guildline 8706 CTD	±.001,.01C° ±.001,.01°/..	4 4	Channels of the Archipelago	Inorganic micronutrient	Fissel, Knight & Birch (1984)
82-0004	Inst. of Ocean Sciences	Mar.26–Jun.24	Temperature Salinity Currents Water level	Guildline 8706 CTD Aanderaa RCM 4 Aanderaa WLR5, AMS TG-12A	±.001,.005C° ±.001,.01°/.. ±.05,.5 cm/s ±.3,3 cm [±.3,3 cm]	4 4 4 4	Prince of Wales Strait, Visc. Melville Sound, M'Clure Strait		Buckingham, Lake & Melling (1985,1987)
82-0005	McGill Univ.	Mar.–Apr.	Currents	?		2	Barrow Strait		McGill University
82-0006	Canadian Hydrographic Service	Aug.'82–Aug.'83	Water level	AML, Aanderaa	[±.3,3 cm]	3	Spence Bay, Cambridge Bay, Coppermine Bay,Coppermine		Canadian Hydrographic Service, Institute of Ocean Sciences
82-0120	ArcticLab.Ltd. for DIAND	Jun.2-5	Salinity	Salinometer	±.003,[.02]°/..	3	Strathcona Sound	SPM,sediments, trace metals, SiO_3,NO_3	Thomas, Erickson & Popham (1983)
83-0008	Institute of Ocean Sciences	Mar.21–Jun.11	Currents Temperature Salinity Water level	Aanderaa Guildline CTD ?	±.05,.5 cm/s [±.001,.01C°] [±.001,.01°/..] [±.3,3 cm]	4 4 4 2	M'Clintock Ch., Visc. Melville Sound, Byam Martin Ch.		Melling (pers. comm.)
83-0009	Ocean & Aquatic Sciences, Central Region	Mar.15–May 2	Currents Temperature Salinity Water level	Aanderaa Guildline Mk IV ?	±?,? ±[.005],.01C° ±[.005],.02°/.. [±.3,3 cm]	2 3 3 2	Barrow Strait, Prince Regent Inlet		Brooke (1983) Prinsenberg & Sosnoski (1983c)
83-0010	Arctic Sciences Ltd. for Inst. of Ocean Sciences	Mar.20–Apr.4	Temperature Salinity	Guildline 8706 CTD	±.001,.01C° ±.001,.02°/..	3 3	Archipelago	Nutrients	Fissel, Lemon & Knight (1984)
83-0016	Arctic Research Lab. for Can. Hydr. Serv.	Apr.17–Jun.14, Nov.19'83–May 21'84	Water level Currents	Aanderaa TG3A, WLR5 Aanderaa RCM4	[±.3,3 cm] ±?,?	3 3	Lancaster Sound (Adams Island)		Frederking, Maxwell & Prinsenberg (1986)
83-0017A	Canadian Hydrographic Service	Mar.15–May 1	Water level	Aanderaa WLR5	[±.3,3 cm]	3	Prince Regent Inlet, Bellot Strait		On file at CCIW

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
83-0017B	Canadian Hydrographic Service	Aug.'83- Aug.'84	Water level	Aanderaa, AML	[±.3,3 cm]	3	Cambridge Bay, Coppermine, Baychimo, Spence Bay		On file Tides & Currents, IOS
84-0049	Institute of Ocean Sciences	Apr.11'84- May 2'85 Apr.20-23	Current Temperature Temperature Salinity	Aanderaa Thermistor chain Guildline 8706 CTD	±?,? ±?,? [±.001,.01C°] [±.001,.02‰]	2 3 3 3	M'Clure Strait, Visc. Melville Sound,Prince Regent Inlet, Lancaster Sound		Perkin (pers. comm.)
84-0050	Institute of Ocean Sciences	Apr.'84- Apr.'85 Mar.30- Apr.30	Water level Current Temperature Salinity	Aanderaa Aanderaa Guildline 8706 CTD	±.3,3 cm ±.05,.5 cm/s [±.001,.01°C] [±.001,.01‰]	4 4 4 4	Barrow Strait, Wellington Ch., M'Clure Strait, Visc. Melville Sound,Prince Regent Inlet, Lancaster Sound		Melling (pers. comm.)
84-0051A	C-Core, McGill University	Nov.14-16 '84, May 15-17 '85	Current profiles	Neil Brown DRCM-2	±1.0 cm/s, ±2°	3	Lancaster Sound (Adams Island)		Shirasawa (1986) Frederking, Maxwell& Prinsenberg (1986)
84-0051B	National Research Council	Nov.'84 May '85	Water level	Aanderaa TC-3A	[±.3,3 cm]	3	Lancaster Sound (Borden Station)		MEDS WL Stn. #5840 Frederking, Maxwell & Prinsenberg (1986)
84-0058	Institute of Ocean Sciences, Ice Keel Exp.	May 10-11	Temperature Salinity	AML CTD-12	[±.02,.2 C°] [±.03,.1‰]	3 3	Barrow Strait	Acoustic	Fissel & Lemon (1985)
85-0034	Dobrocky Seatech Ltd. for Bedford Inst. of Oceanography	Mar.5- Apr.26	Water level	Aanderaa WLR5	±.3,3 cm	4	Eastern Parry Channel		Greisman et al. (1986)
85-0035	Institute of Ocean Sciences, Ice Keel Exp..	Apr.28- May 1	Temperature Salinity Current	Guildline CTD Aanderaa RCM 4	±.001,.01C° ±.001,.01‰ ±1 cm/s, 10°	4 4 4	Barrow Strait	Acoustic, plankton	Topham (pers. comm.)
85-0036	Institute of Ocean Sciences	Apr.5- May 3	Temperature Salinity	Guildline? CTD	[±.001,.01C°] [±.001,.01‰]	3 3	M'Clure Strait, Barrow Strait		Perkin (pers. comm.)
86-0012	Bedford Inst. of Oceanography	Jan.17- Apr.1	Current	Aanderaa	±?,?	2	Barrow Strait		Horne (pers. comm.)

9. MAPS

This section contains maps showing the yearly distribution of temperature, salinity, current, water-level, wave, and surface-drift measurements. One overall map (1:7,000,000 scale) and up to four additional sub-maps (1:4,000,000 scale) are used (Figure 13). All are Lambert Conformal Conic projection.

Generally, temperature-salinity and any water-level stations are plotted together. If there were also current-meter data, then the first map will have only temperature-salinity, and the current and water-level data will be displayed on a second map. Wave data have usually been plotted with current and/or water-level data. The overall map generally contains all the stations; the sub-maps provide more details and several may be used to display station positions in one area.

For some data sets, exact locations are not known. A "?" on the first map is used to indicate the general area, if known.

The legend indicates the following data types:

CM - current-meter data
DRF - drifter data
TS - temperature-salinity data
WAVE - wave data
WL - water-level data

Under each category are listed the data sets and station symbols used in the plot. The identifier number is followed by the vessel/agency and the total number of stations located within the map boundaries, in brackets. Since some stations in a particular data set may be at the same location, the number in brackets may exceed the number of symbols on the plot.

The TS data are primarily profile data, however some moored instruments had temperature and/or conductivity sensors. In these cases, under TS in the legend, the data-set identifier is followed not by the vessel or agency, but by the word "mooring".

The coastlines have been smoothed and small islands removed. A minimum consecutive displacement of 0.07 inch is required for a new station to be plotted. This was implemented to prevent the plotter from wearing through the paper in heavily sampled locations. Vessel/agencies in the legend are abbreviations. Note that cruise station symbols may be different on two different maps.

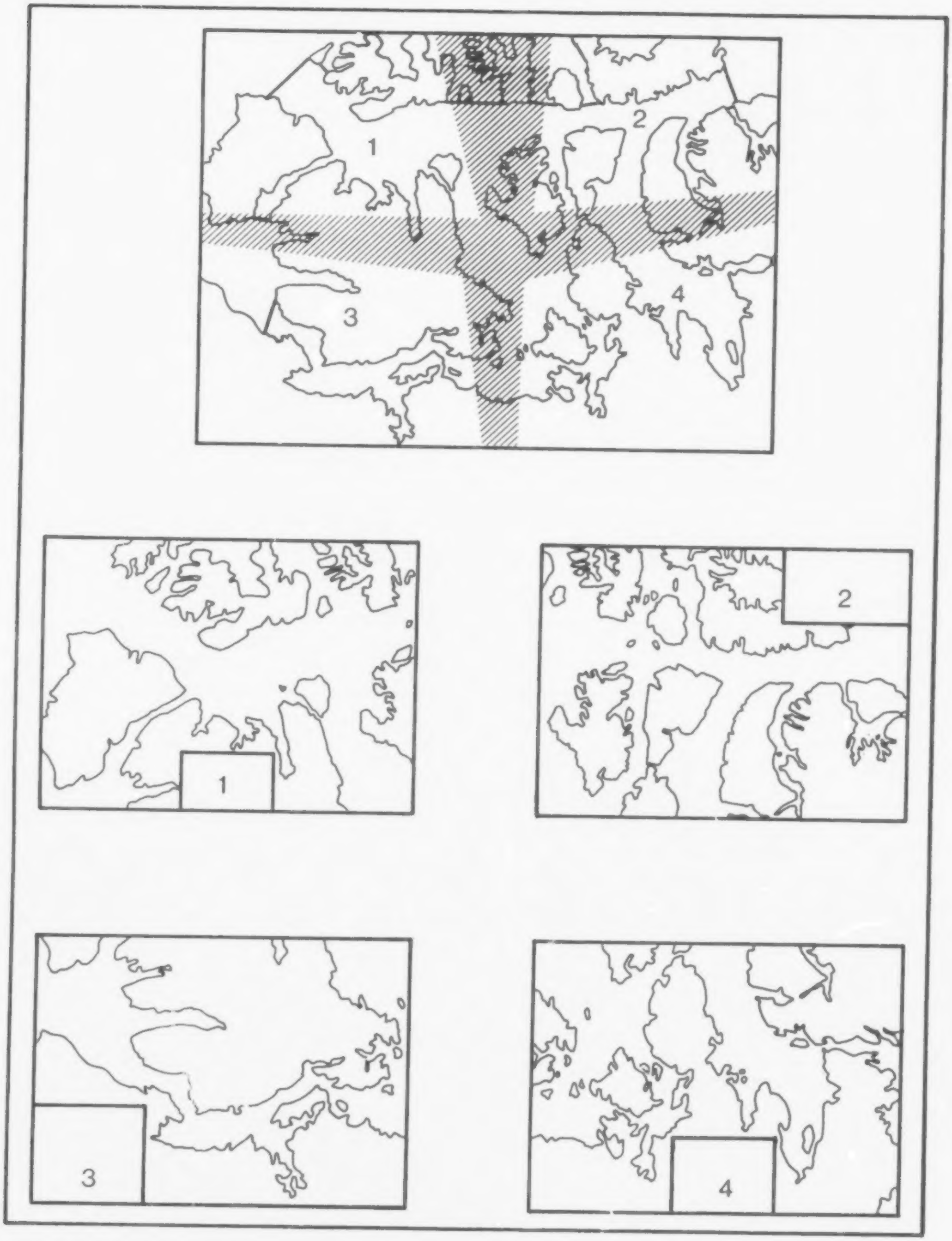
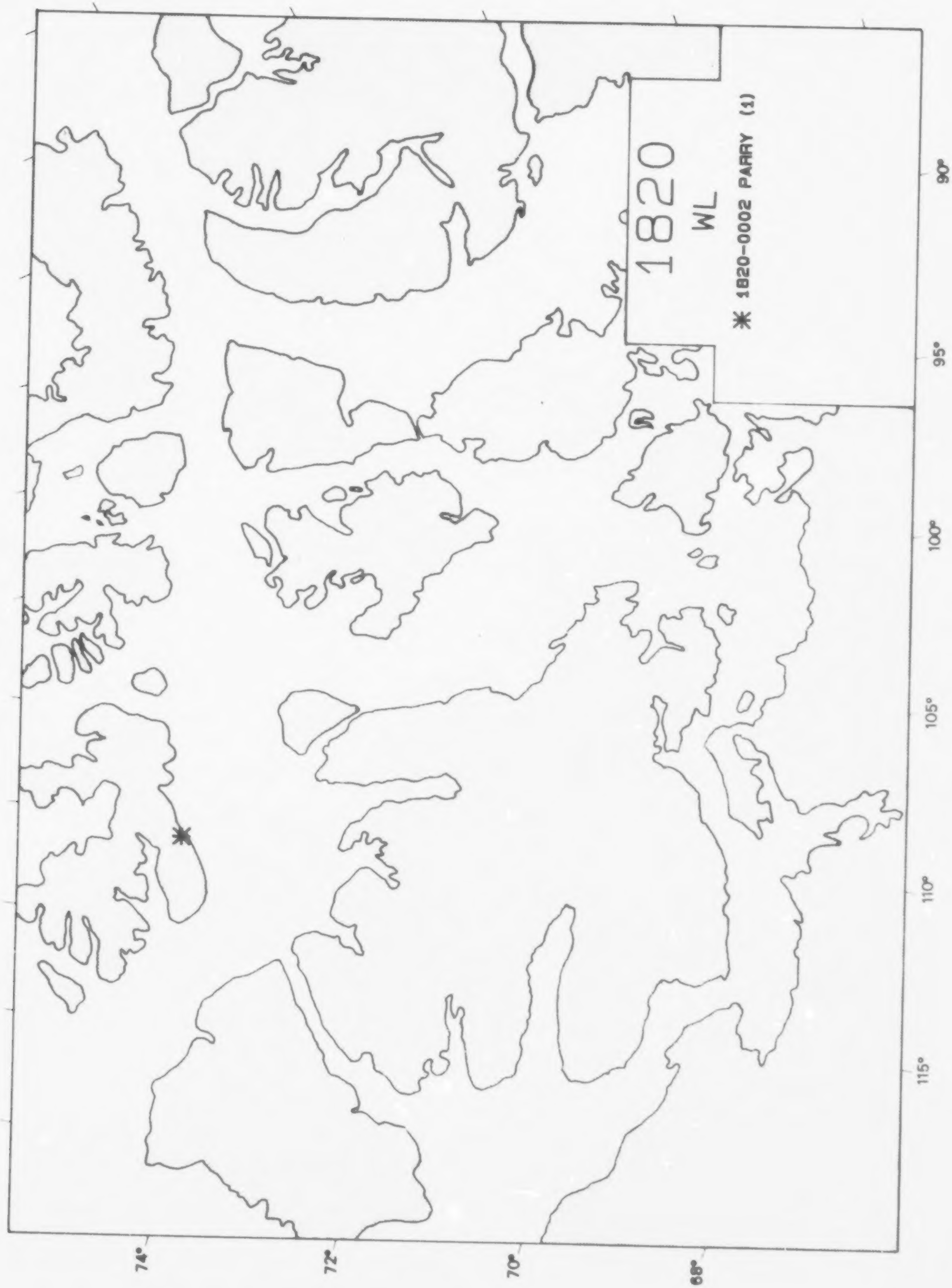
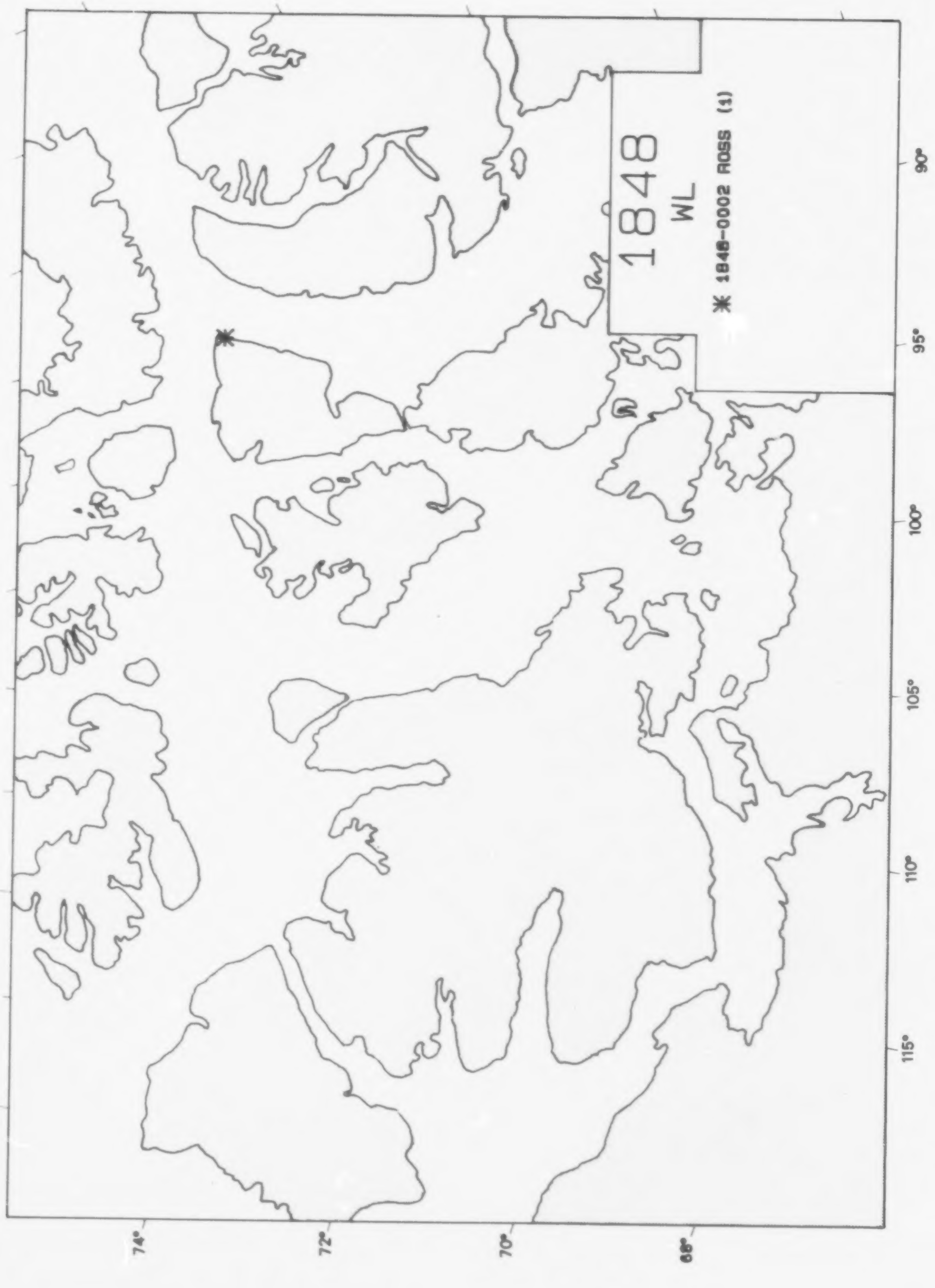
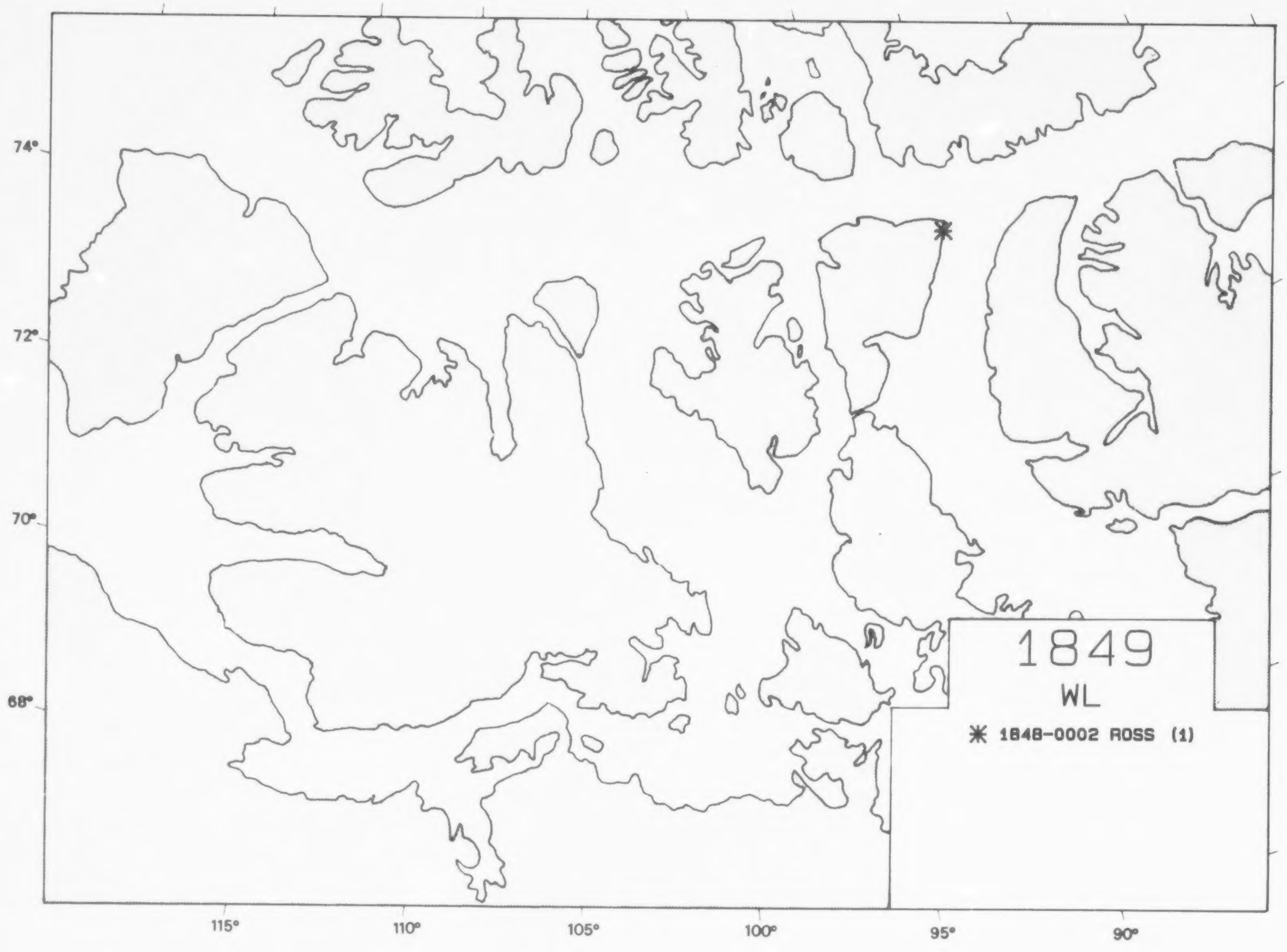
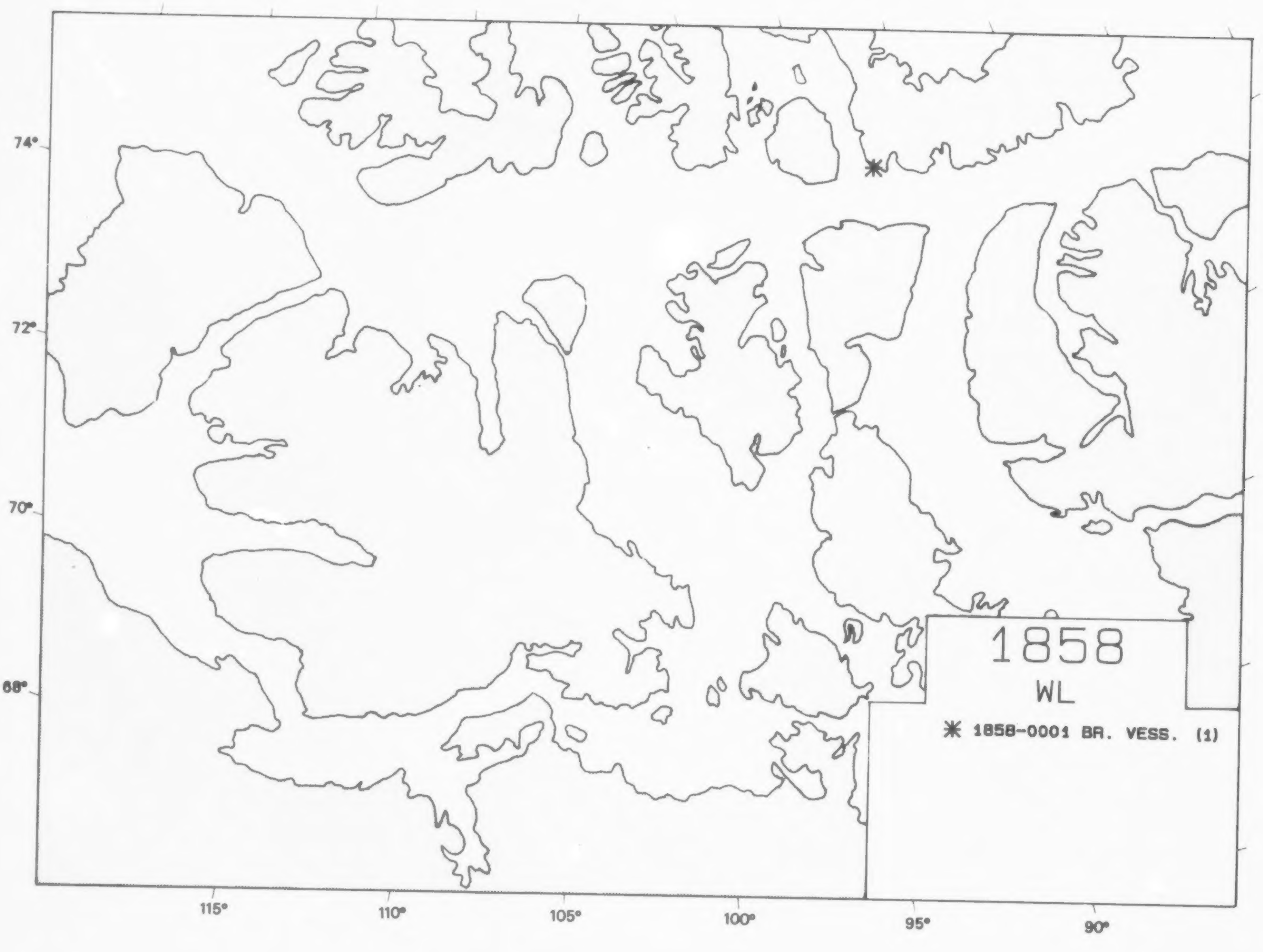


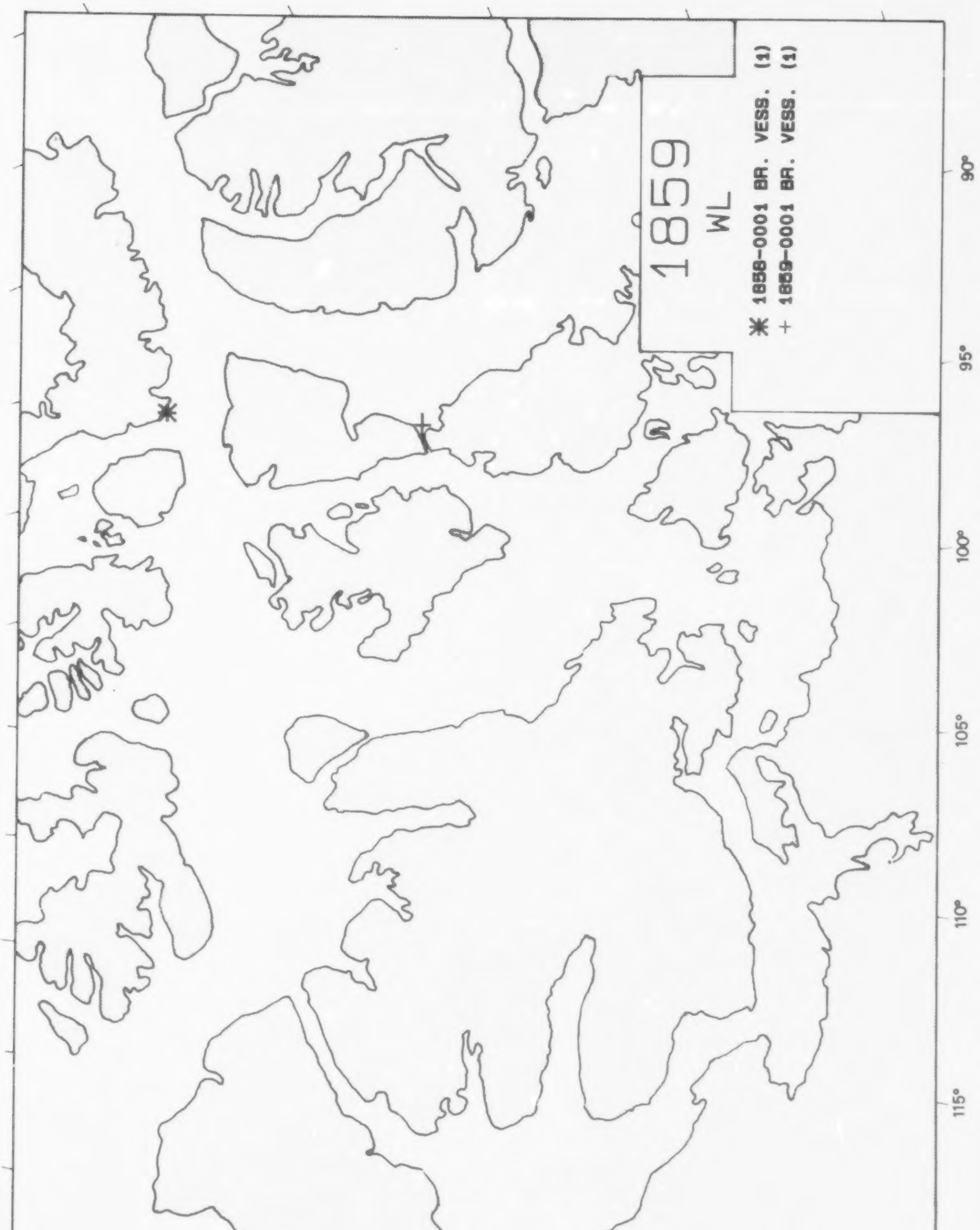
Figure 13. Maps used to plot station locations. The full area map is scaled 1:7,000,000, the others 1:4,000,000. All are Lambert Conformal Conic Projection.

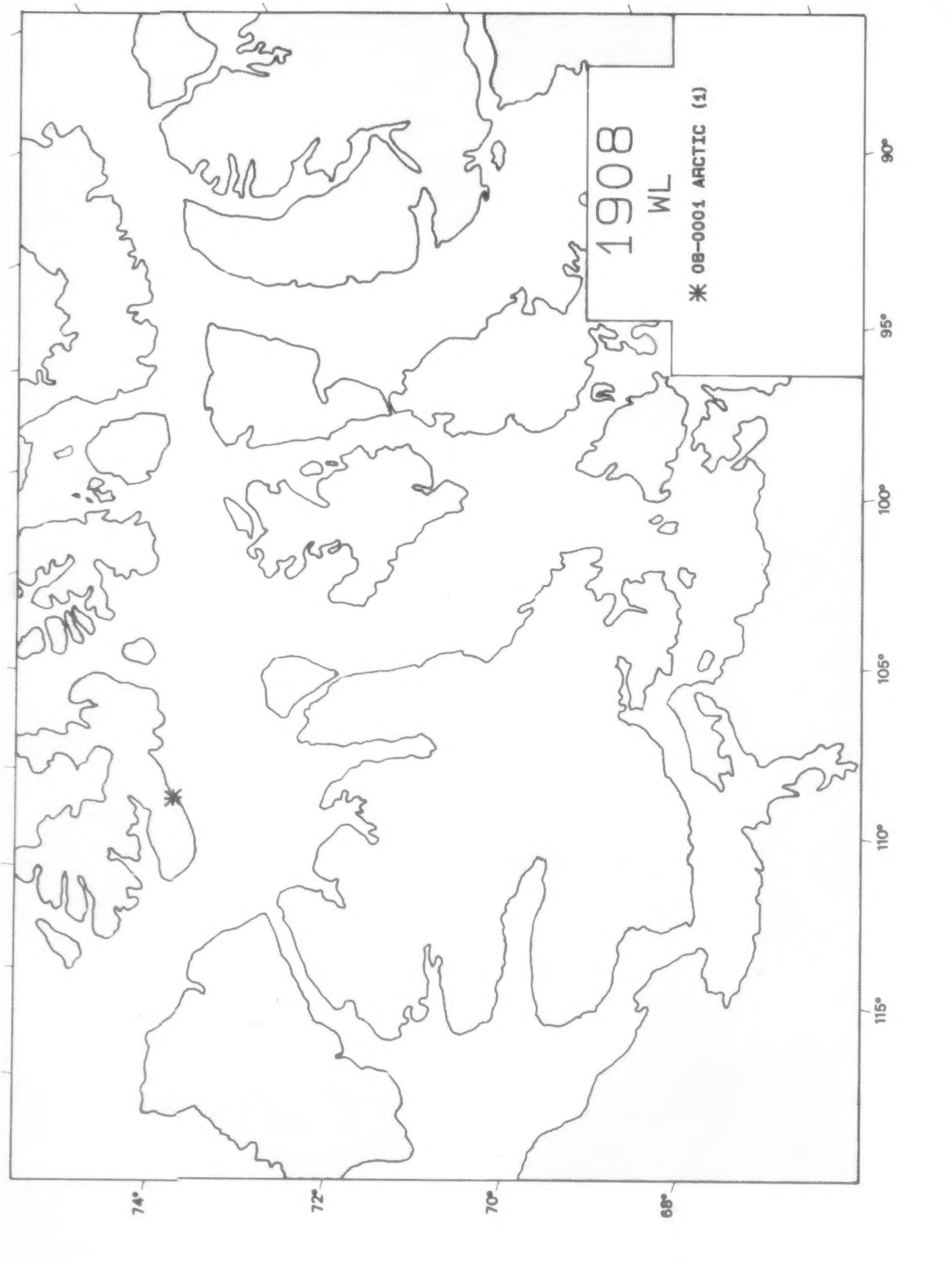

1820
WL
✱ 1820-0002 PARRY (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

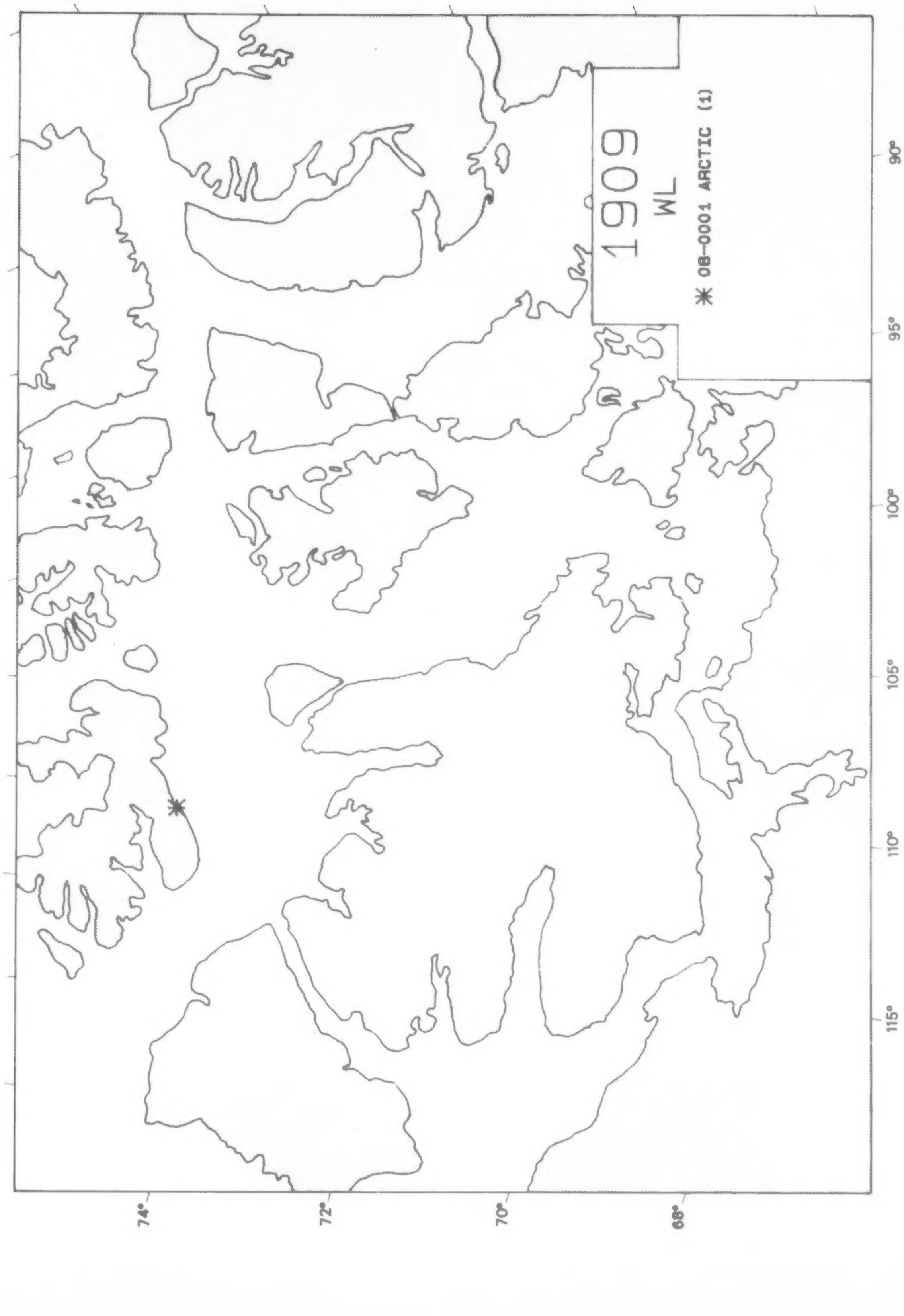

1848
WL
✱ 1848-0002 ROSS (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

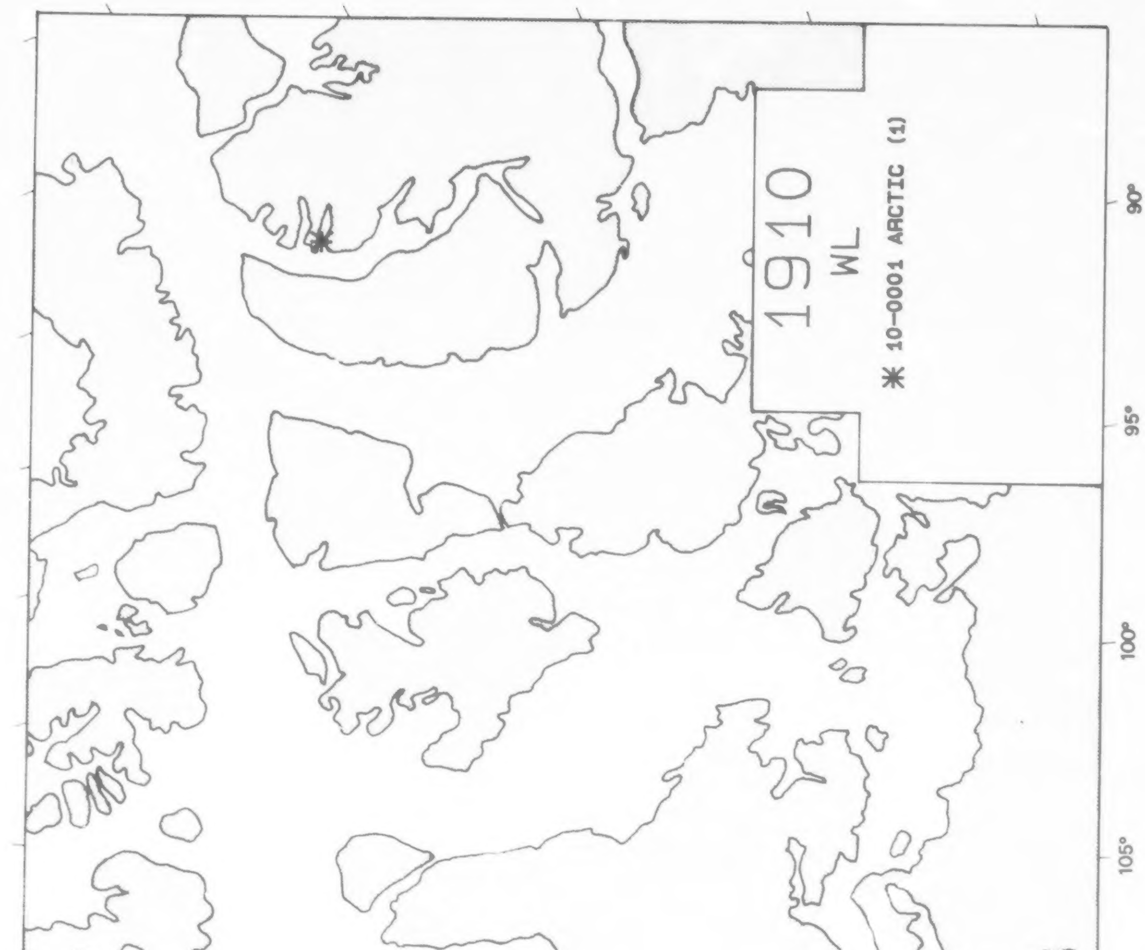

1849
WL
✳ 1848-0002 ROSS (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

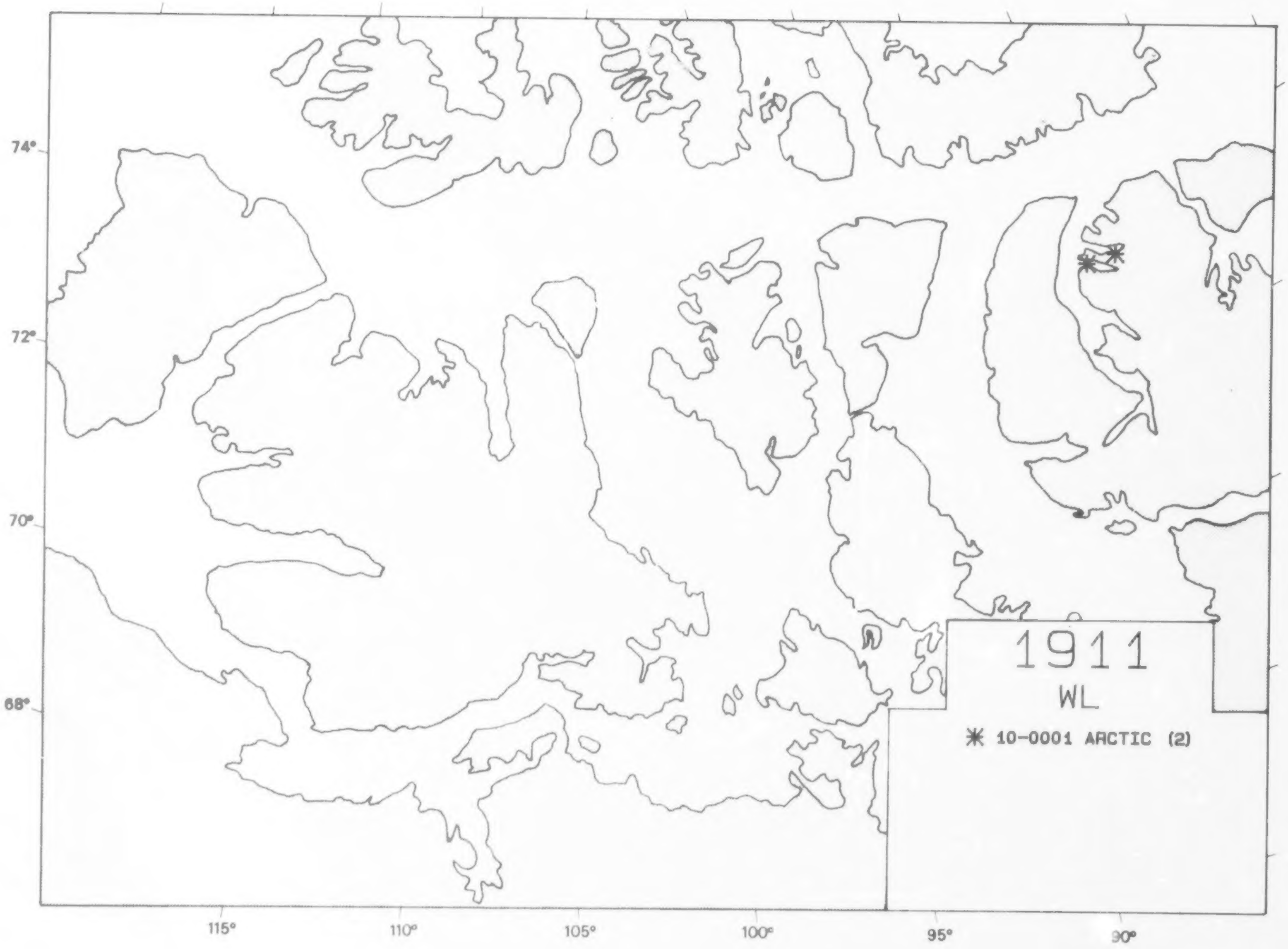

1858
WL
✱ 1858-0001 BR. VESS. (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

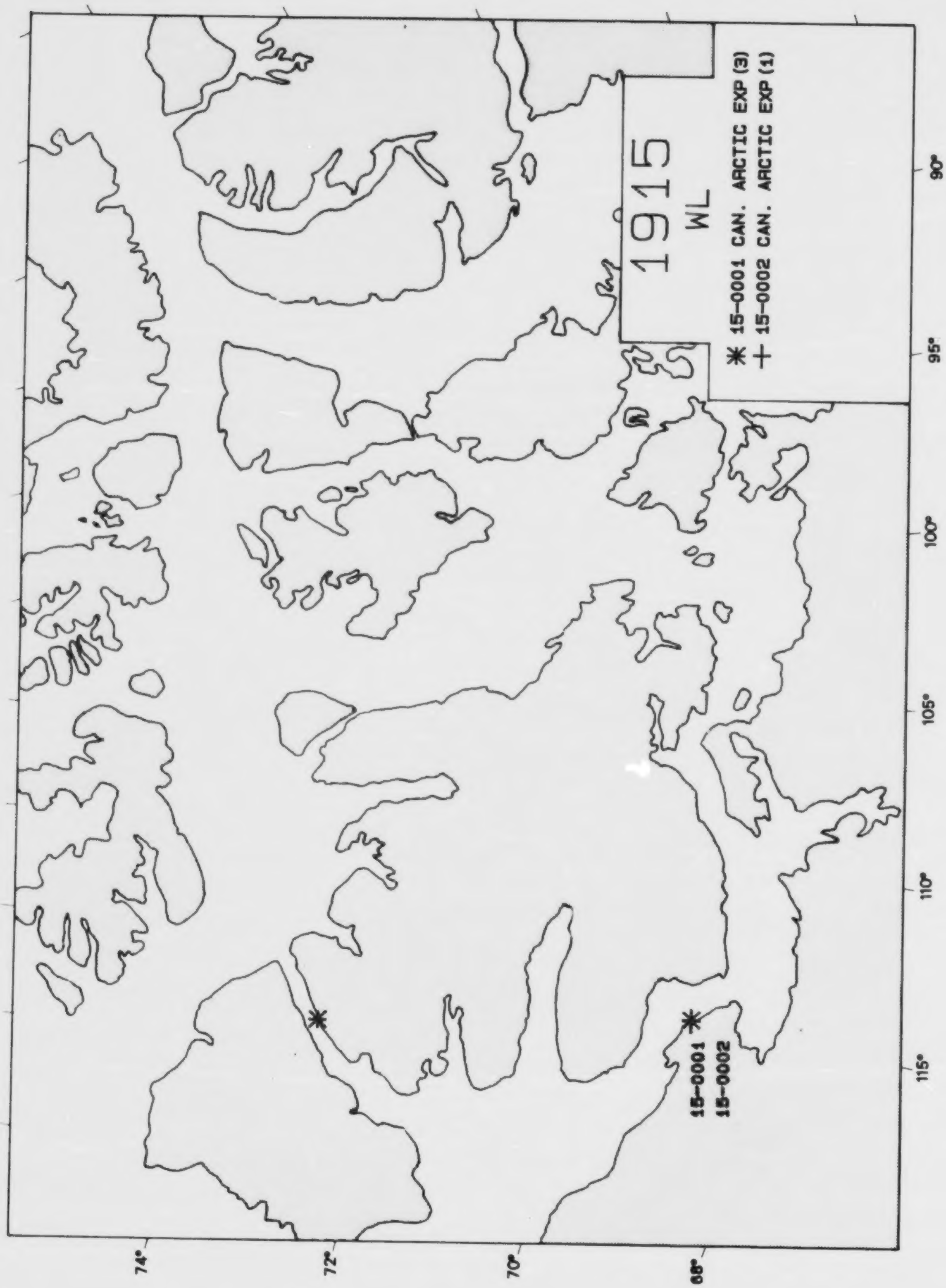

1859
WL
✱ 1858-0001 BR. VESS. (1)
+ 1859-0001 BR. VESS. (1)
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°

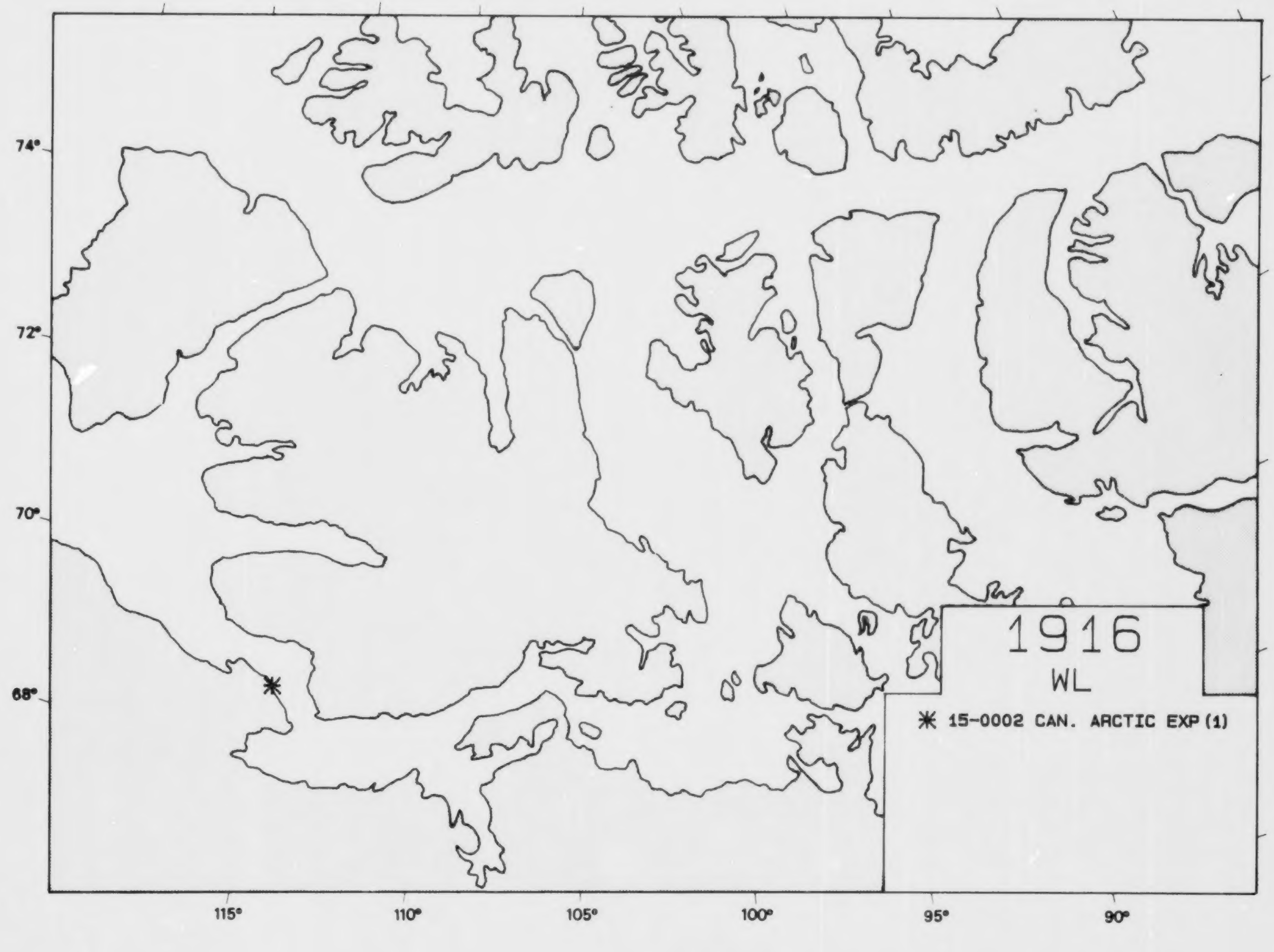

1908
WL
✳ OB-0001 ARCTIC (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

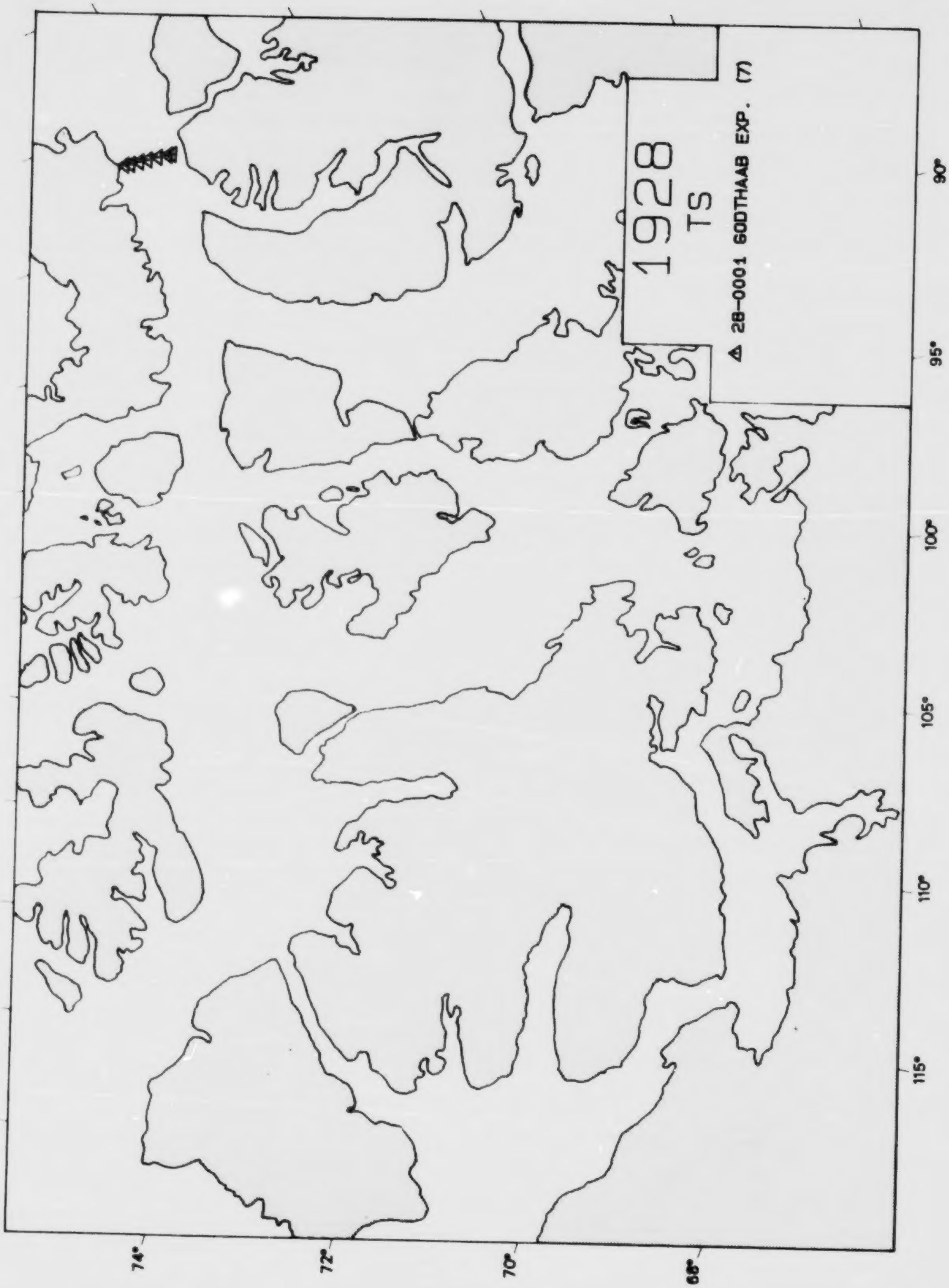

1909
WL
✱ OB-0001 ARCTIC (1)
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°

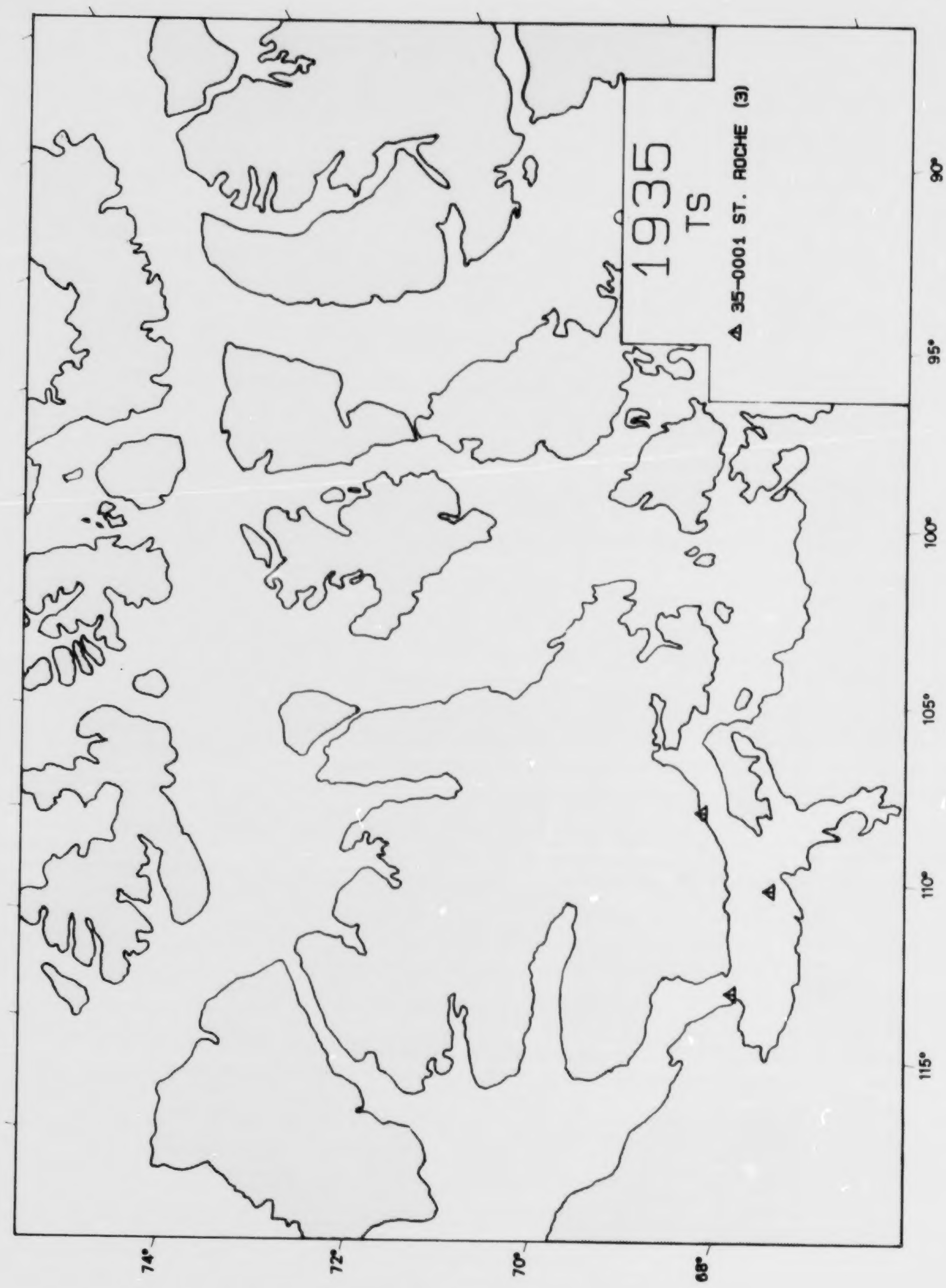

1910
WL
✱ 10-0001 ARCTIC (1)
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°

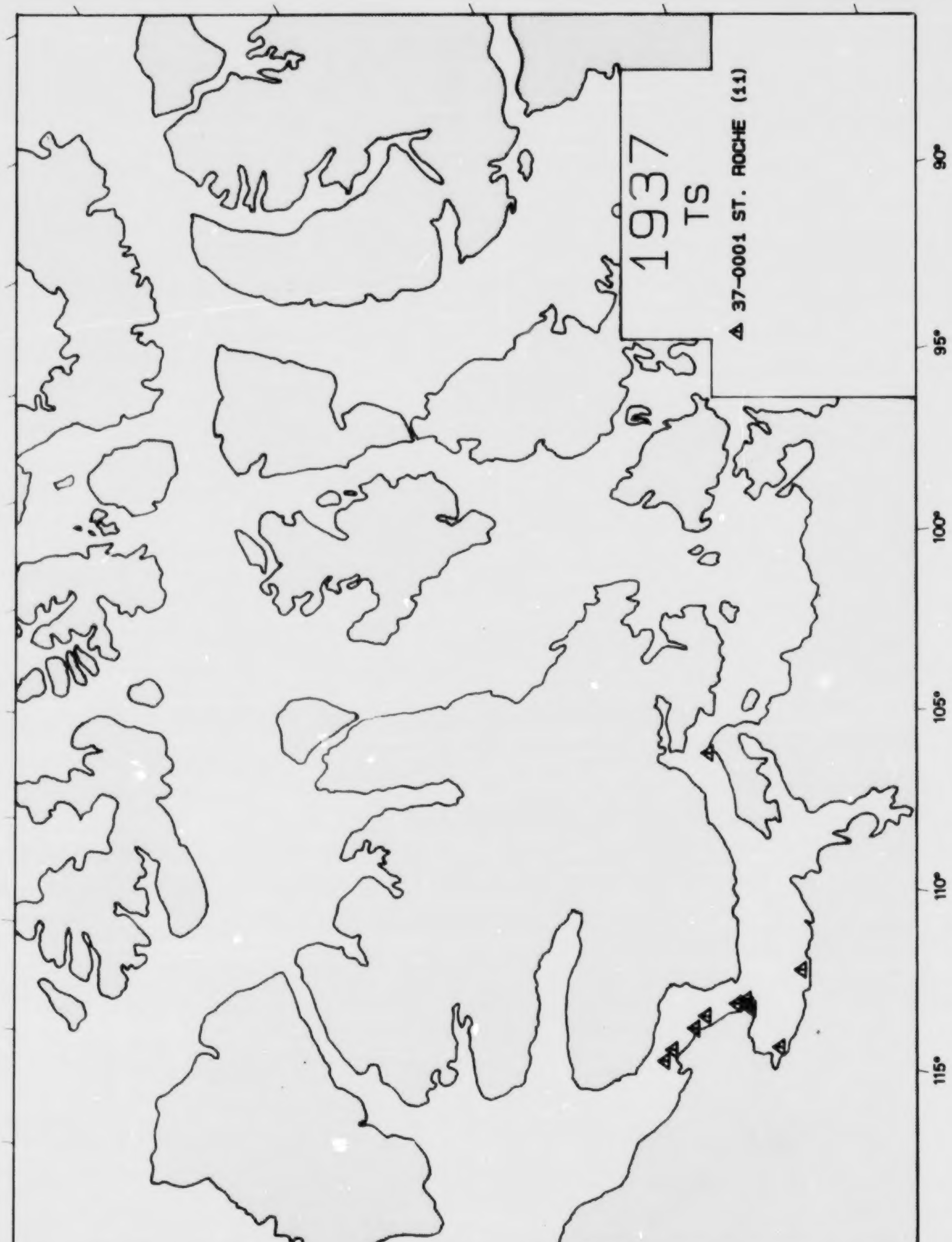

74°
72°
70°
68°
1911
WL
✱ 10-0001 ARCTIC (2)
115°
110°
105°
100°
95°
90°

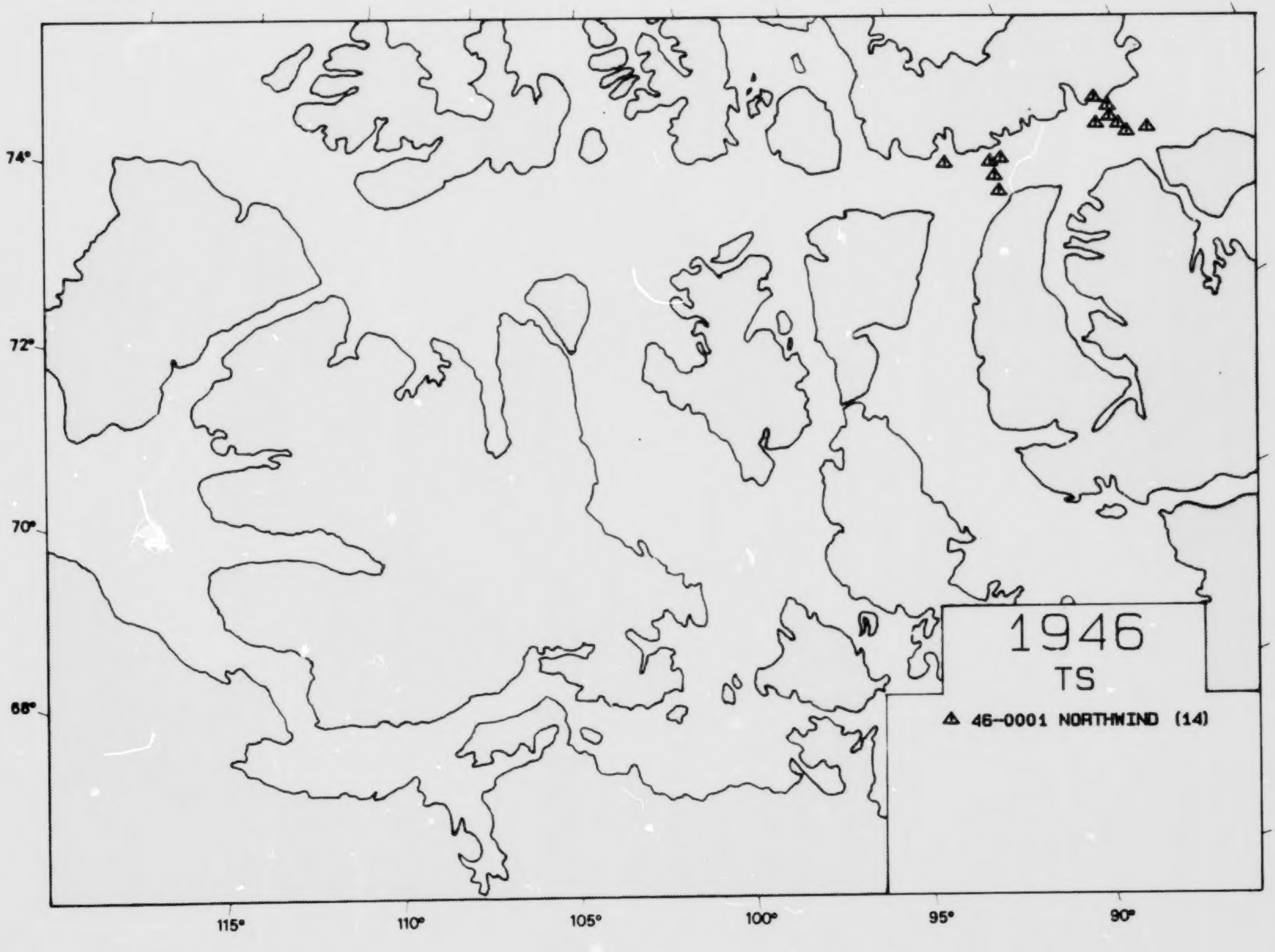

1915
WL
✱ 15-0001 CAN. ARCTIC EXP (3)
+ 15-0002 CAN. ARCTIC EXP (1)
15-0001
15-0002
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

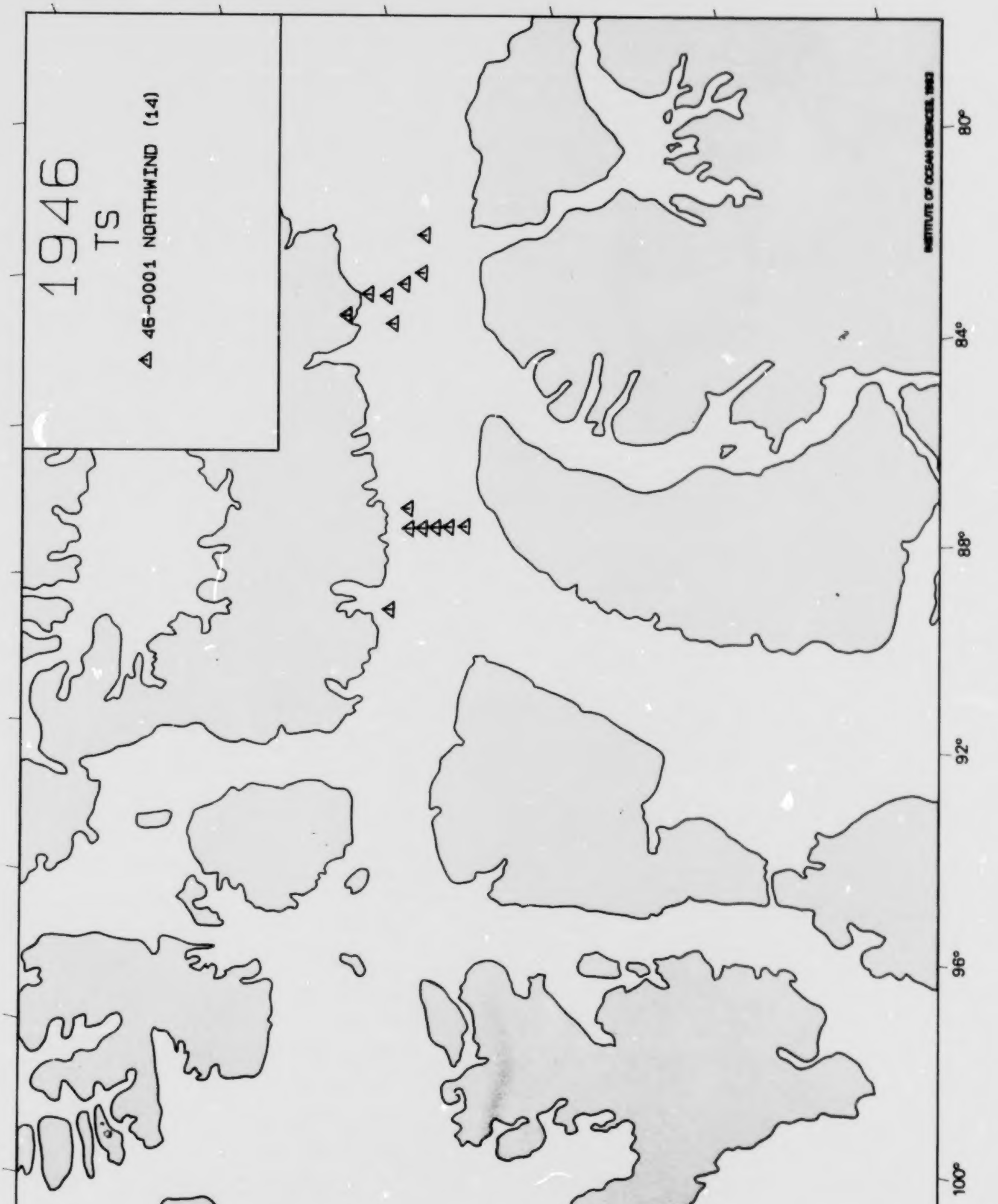

1916
WL
✳ 15-0002 CAN. ARCTIC EXP (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

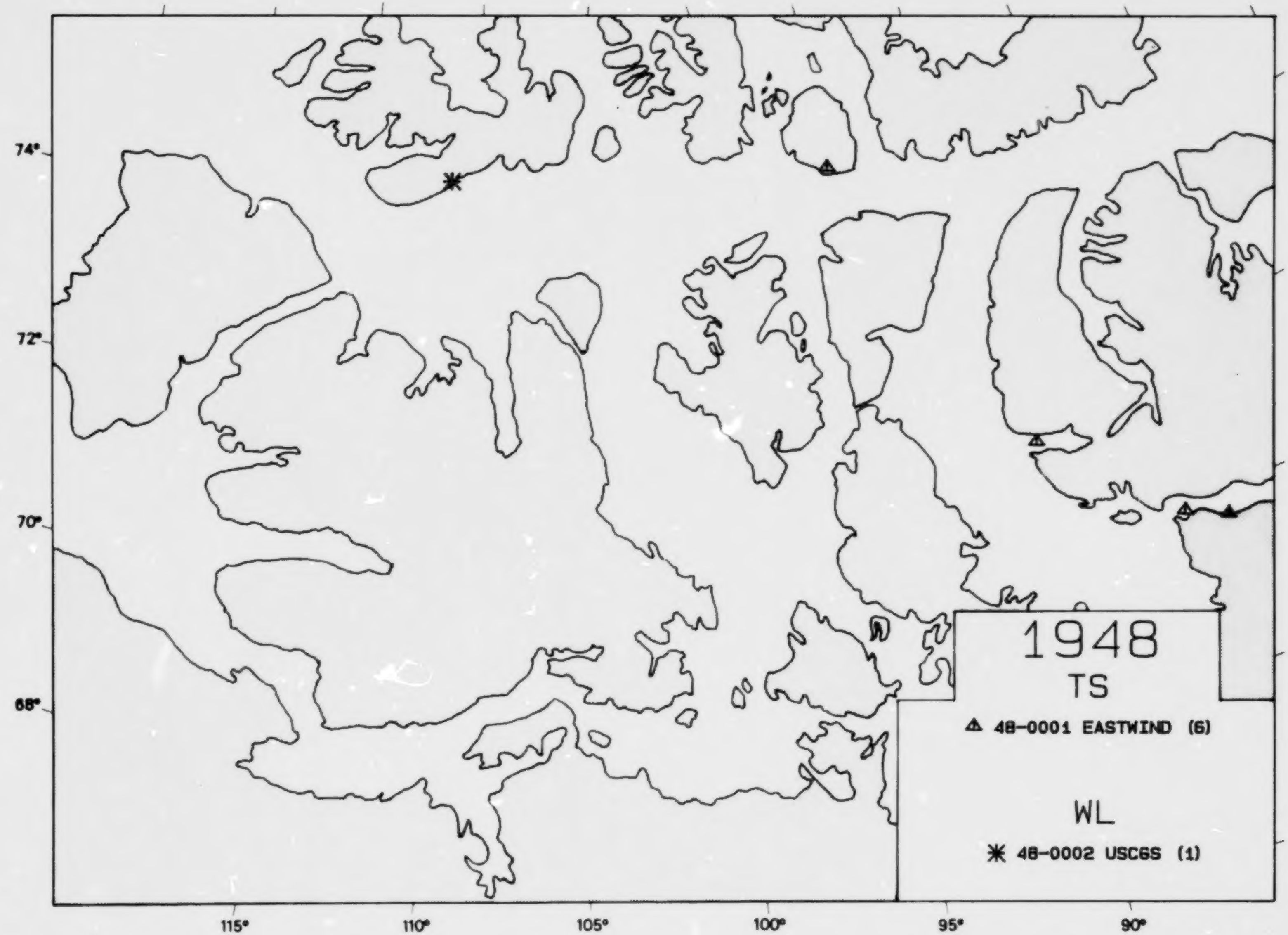

1928
TS
▲ 28-0001 GODTHAAB EXP. (7)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

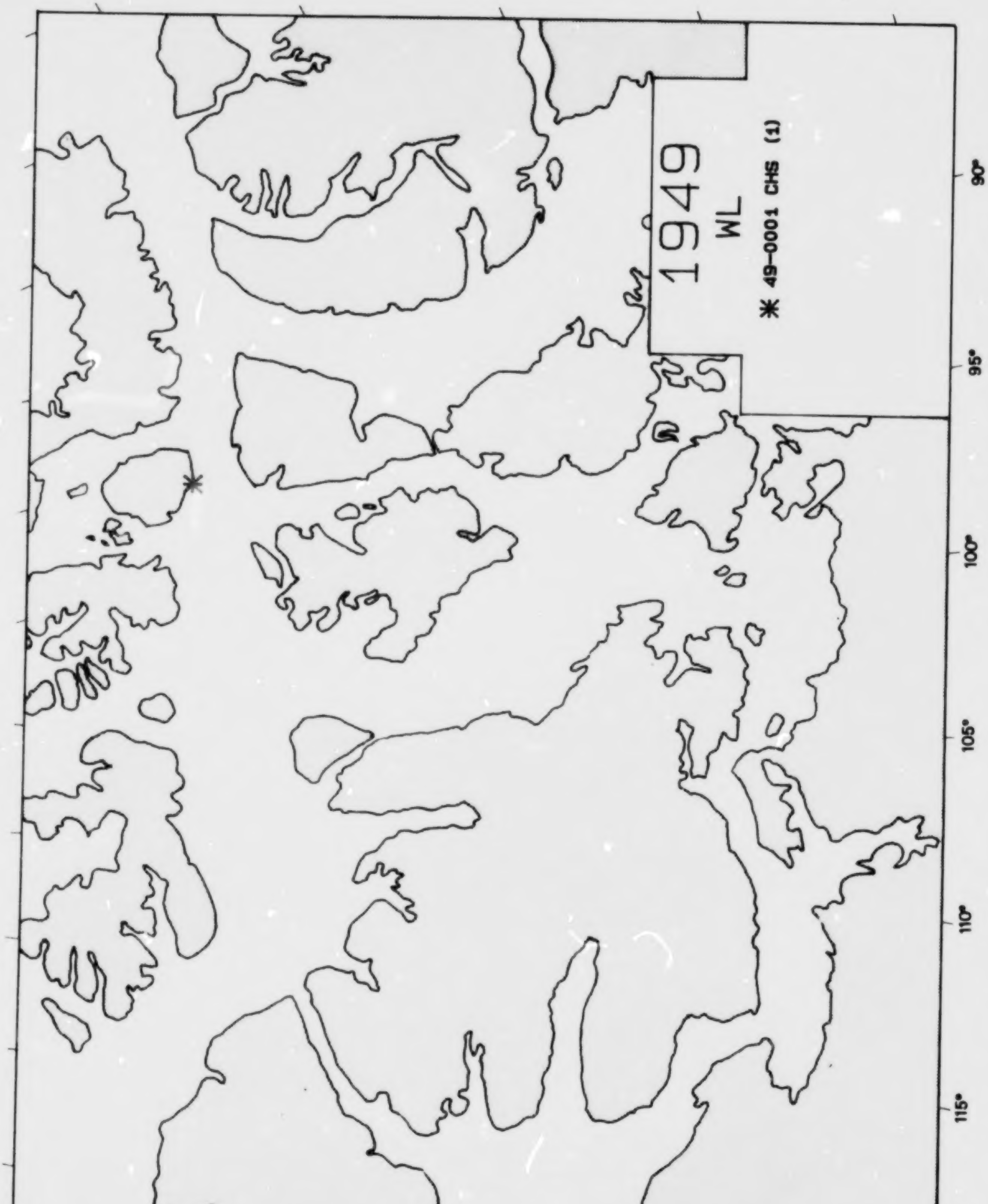

1935
TS
△ 35-0001 ST. ROCHE (3)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

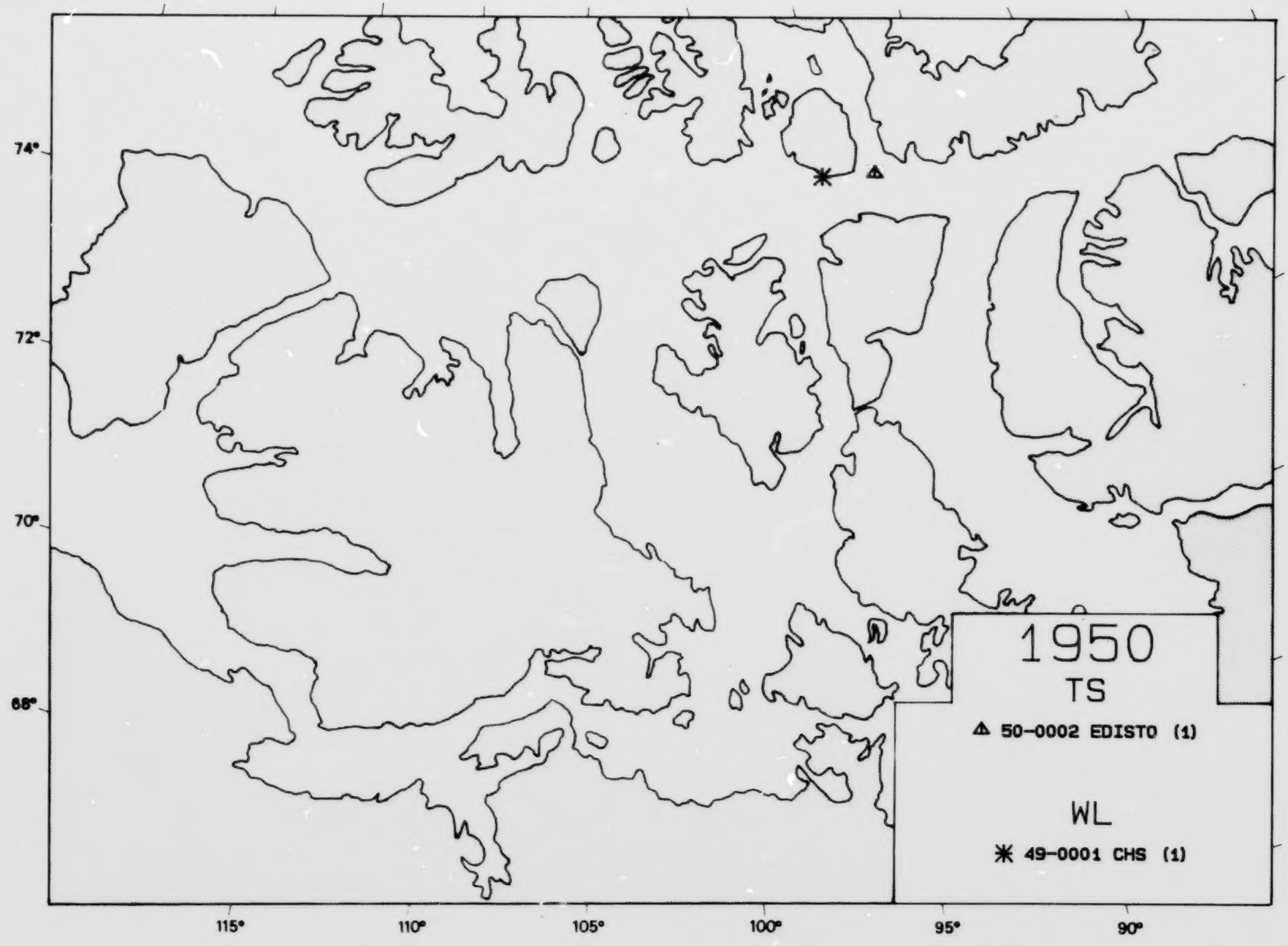

1937
TS
△ 37-0001 ST. ROCHE (11)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

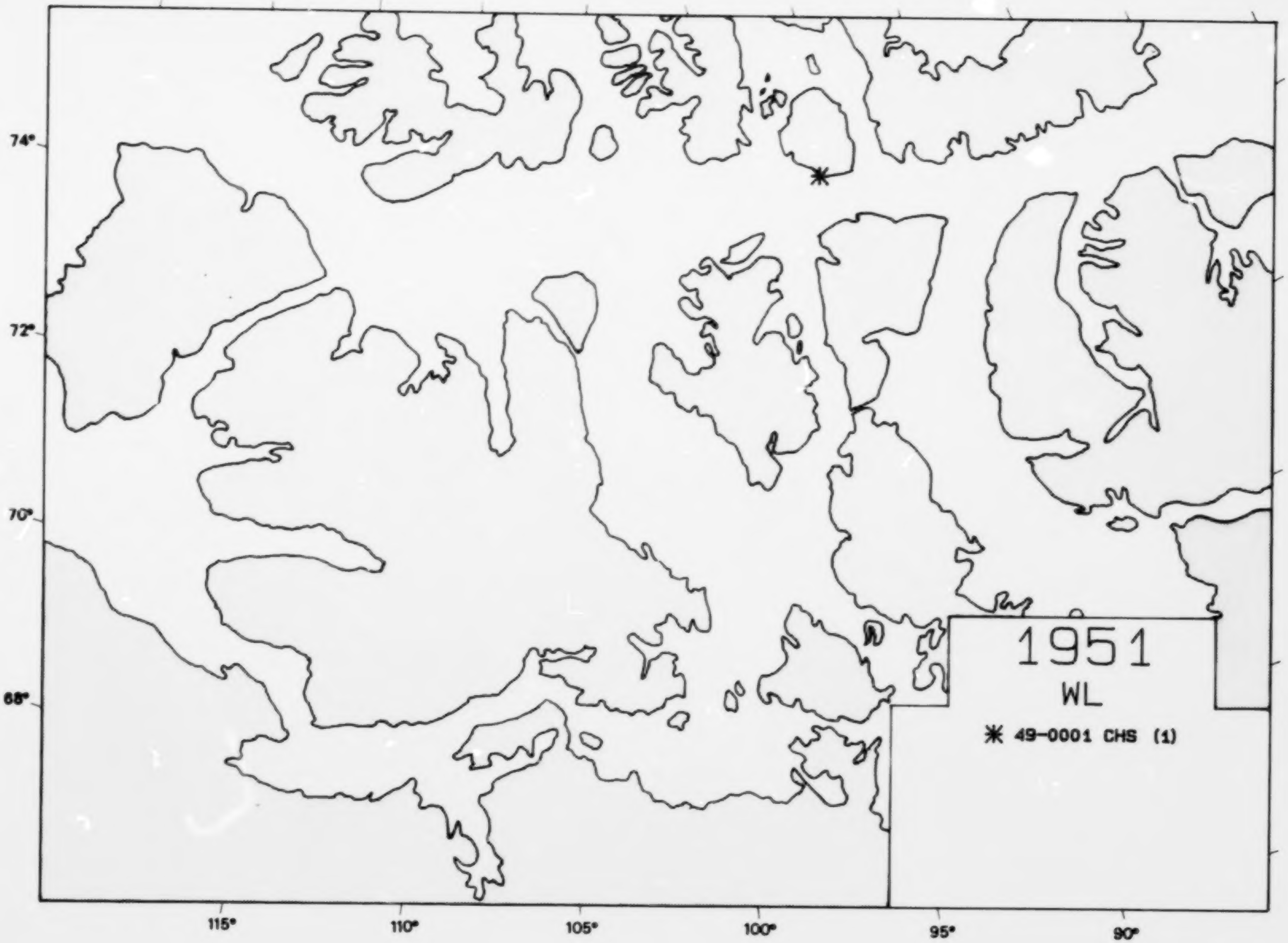

1946
TS
△ 46-0001 NORTHWIND (14)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

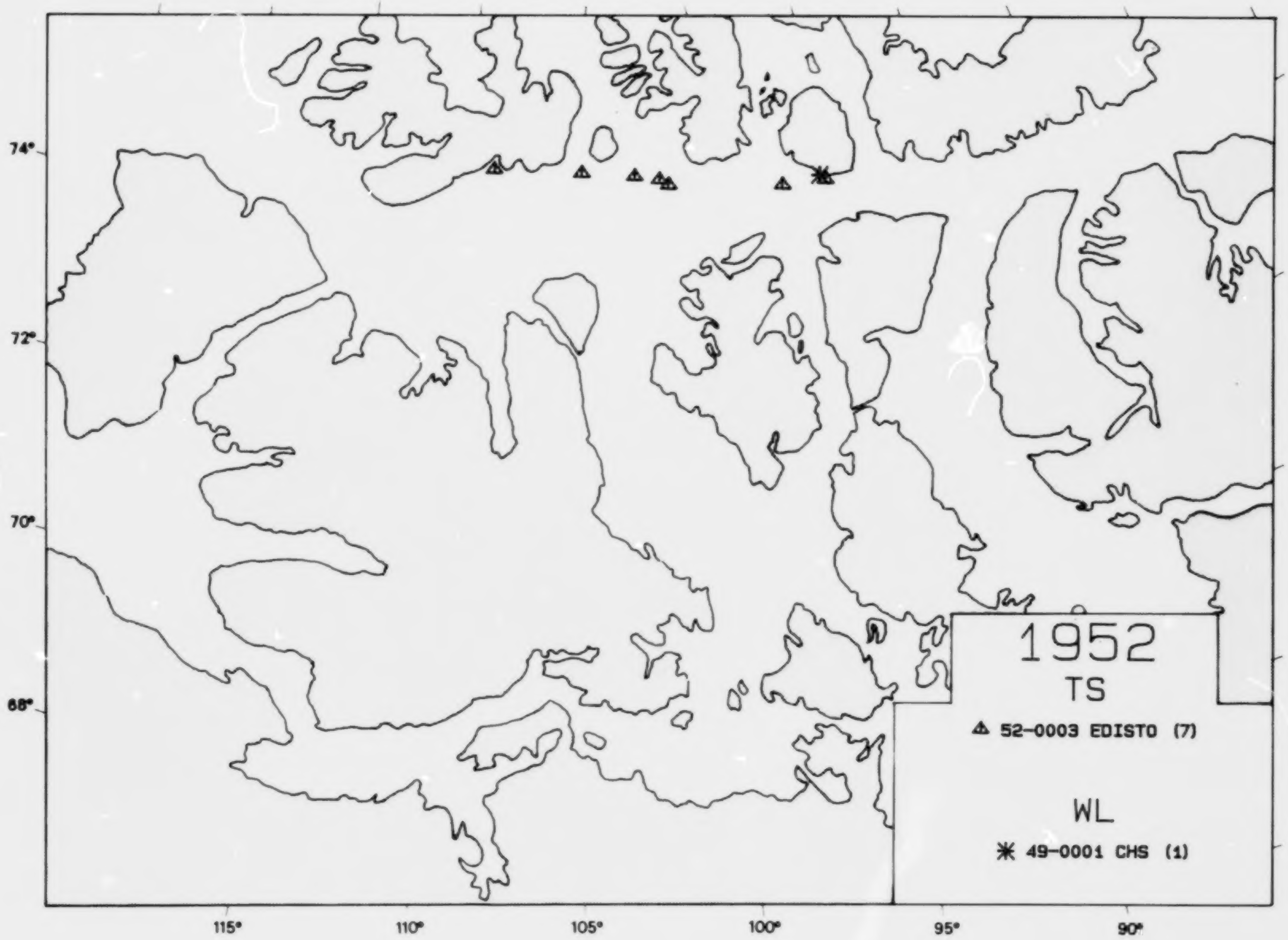

1946
TS
◬ 46-0001 NORTHWIND (14)
INSTITUTE OF OCEAN SCIENCES, 1982
76°
75°
74°
73°
72°
71°
80°
84°
88°
92°
96°
100°

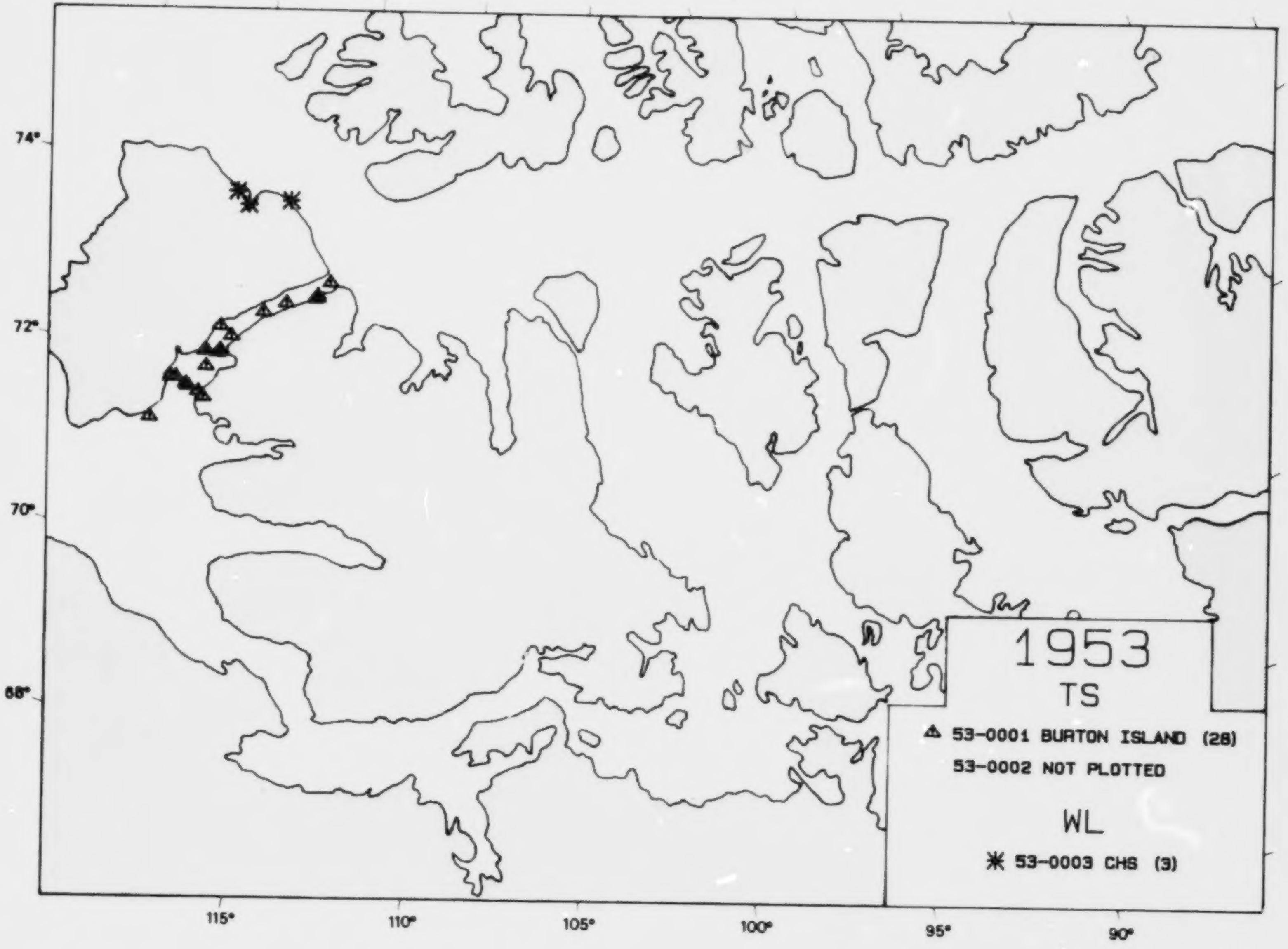

1948
TS
△ 48-0001 EASTWIND (6)
WL
✳ 48-0002 USCGS (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

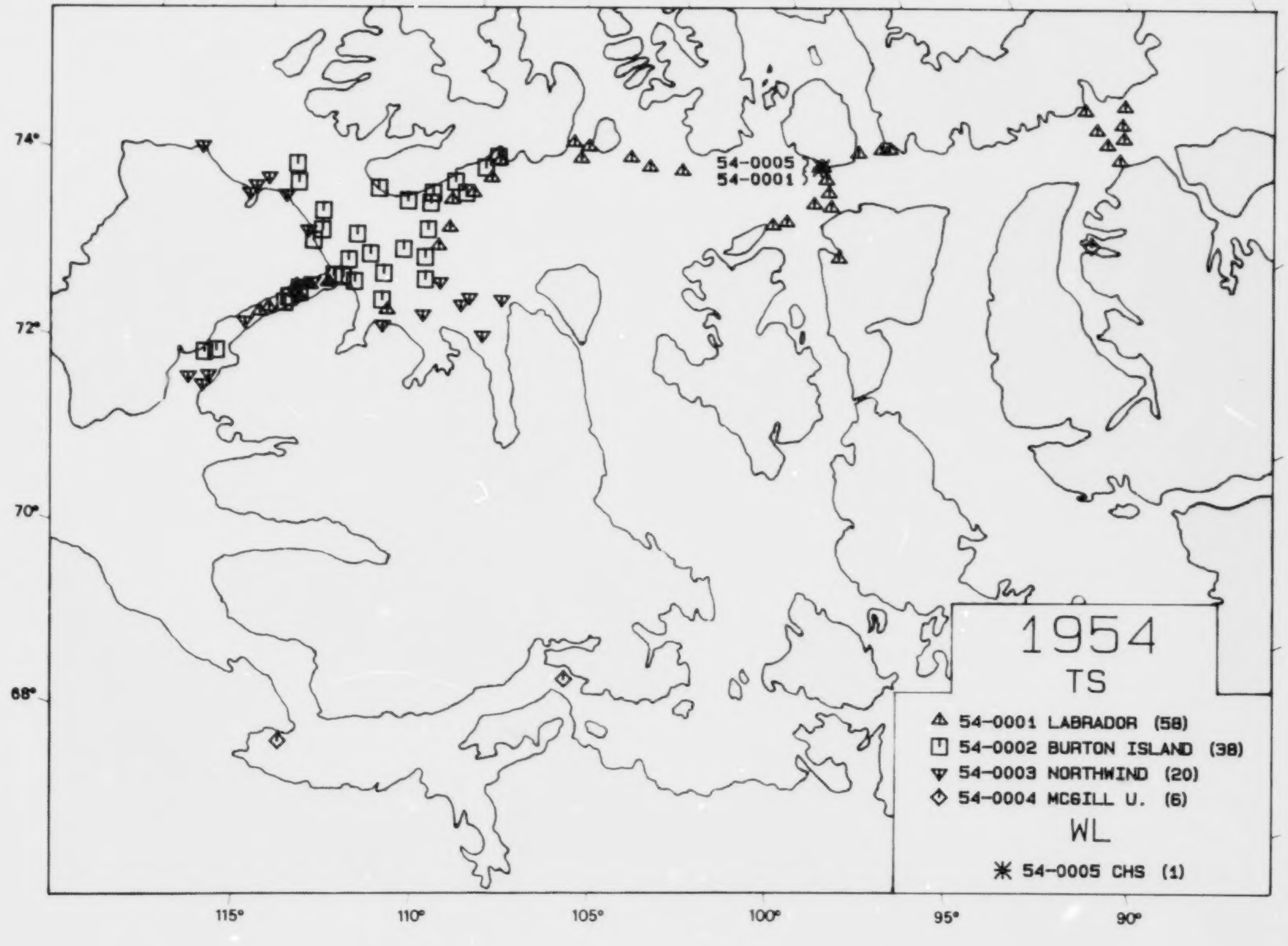

1949
WL
✱ 49-0001 CHS (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

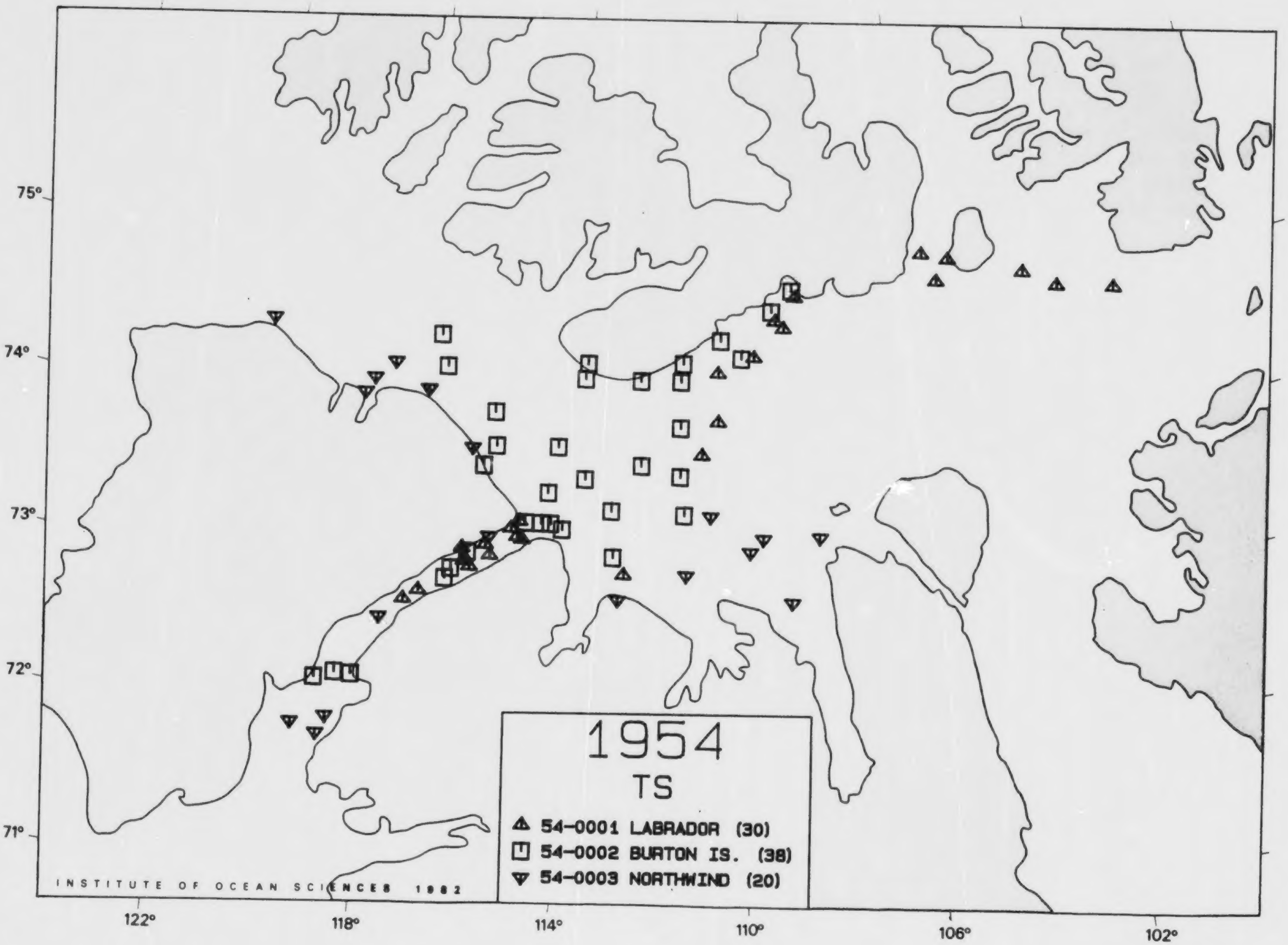

1950
TS
△ 50-0002 EDISTO (1)
WL
✳ 49-0001 CHS (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

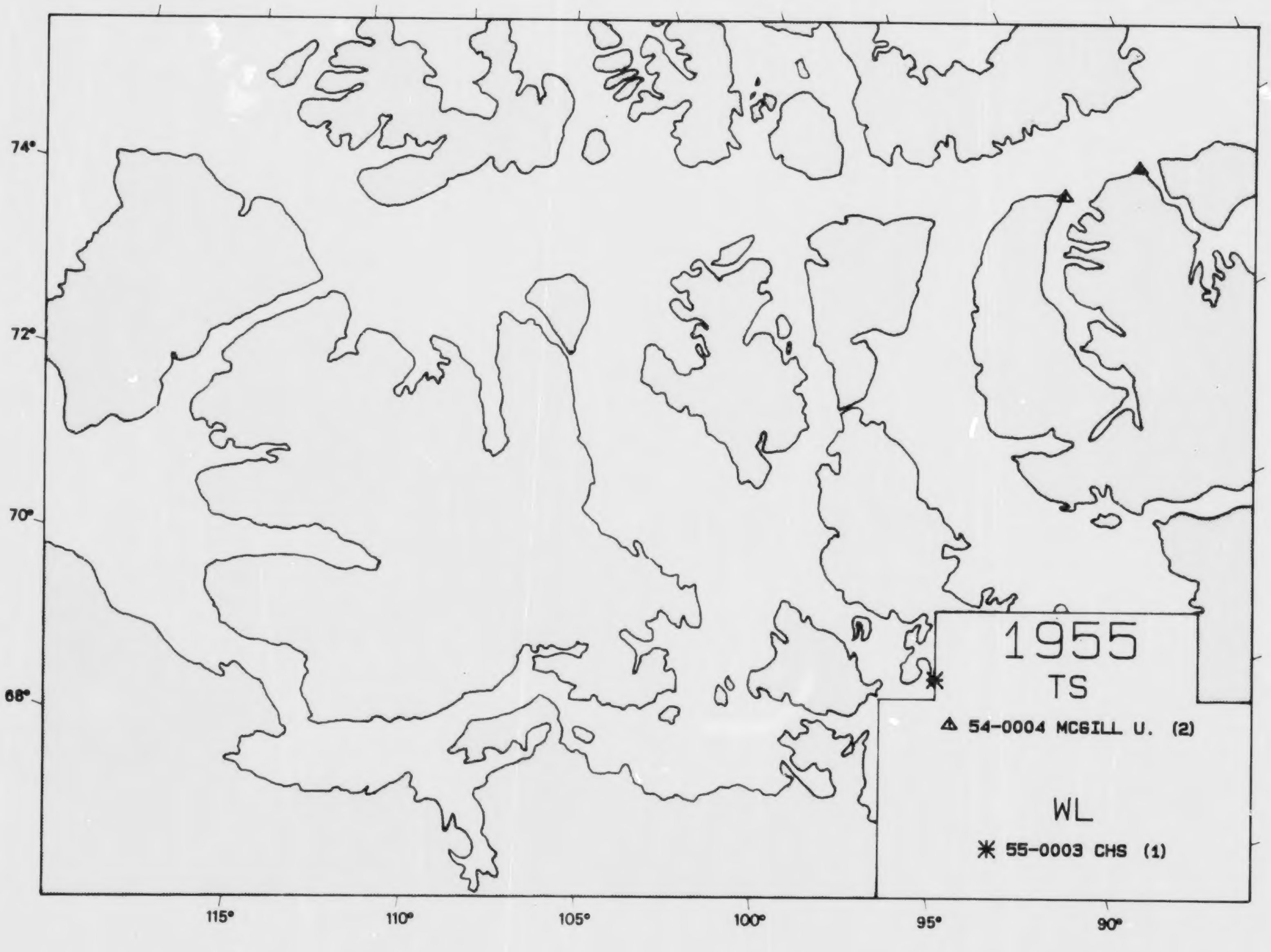

1951
WL
✳ 49-0001 CHS (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°


1952
TS
△ 52-0003 EDISTO (7)
WL
✳ 49-0001 CHS (1)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

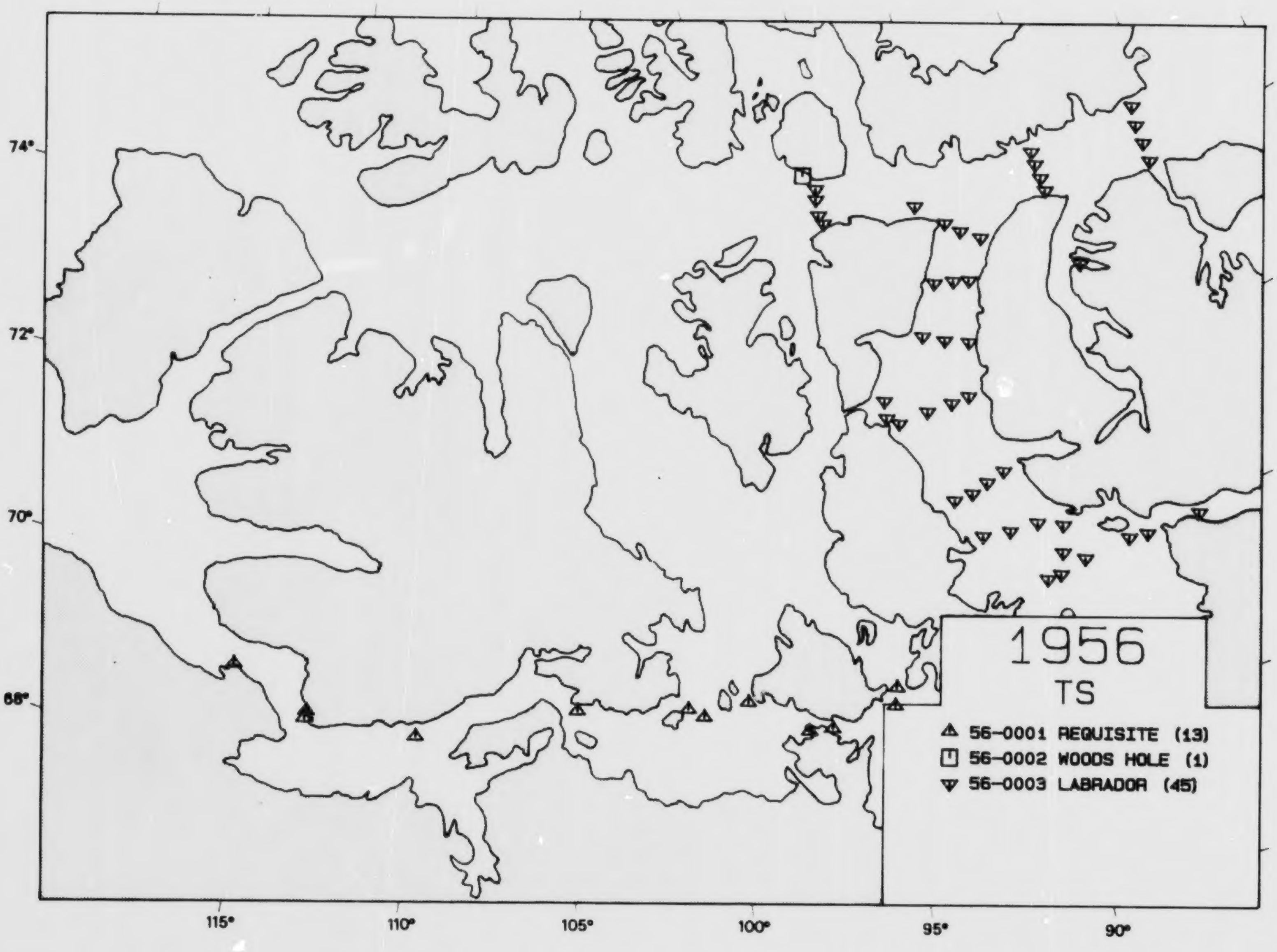

1953
TS
53-0001 BURTON ISLAND (28)
53-0002 NOT PLOTTED
WL
53-0003 CHS (3)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

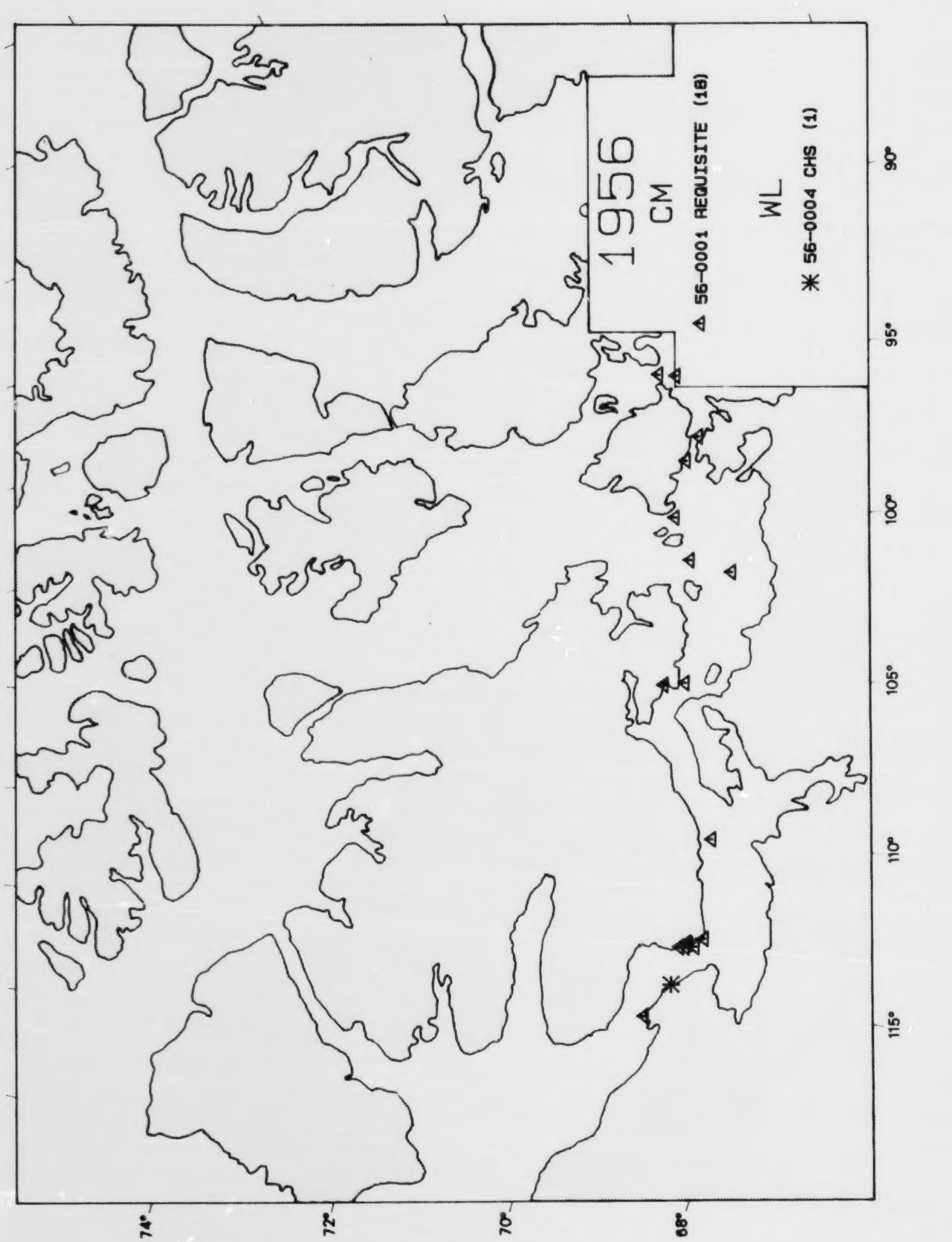

1954
TS
△ 54-0001 LABRADOR (58)
☐ 54-0002 BURTON ISLAND (38)
▽ 54-0003 NORTHWIND (20)
◇ 54-0004 MCGILL U. (6)
WL
✱ 54-0005 CHS (1)
54-0005
54-0001
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

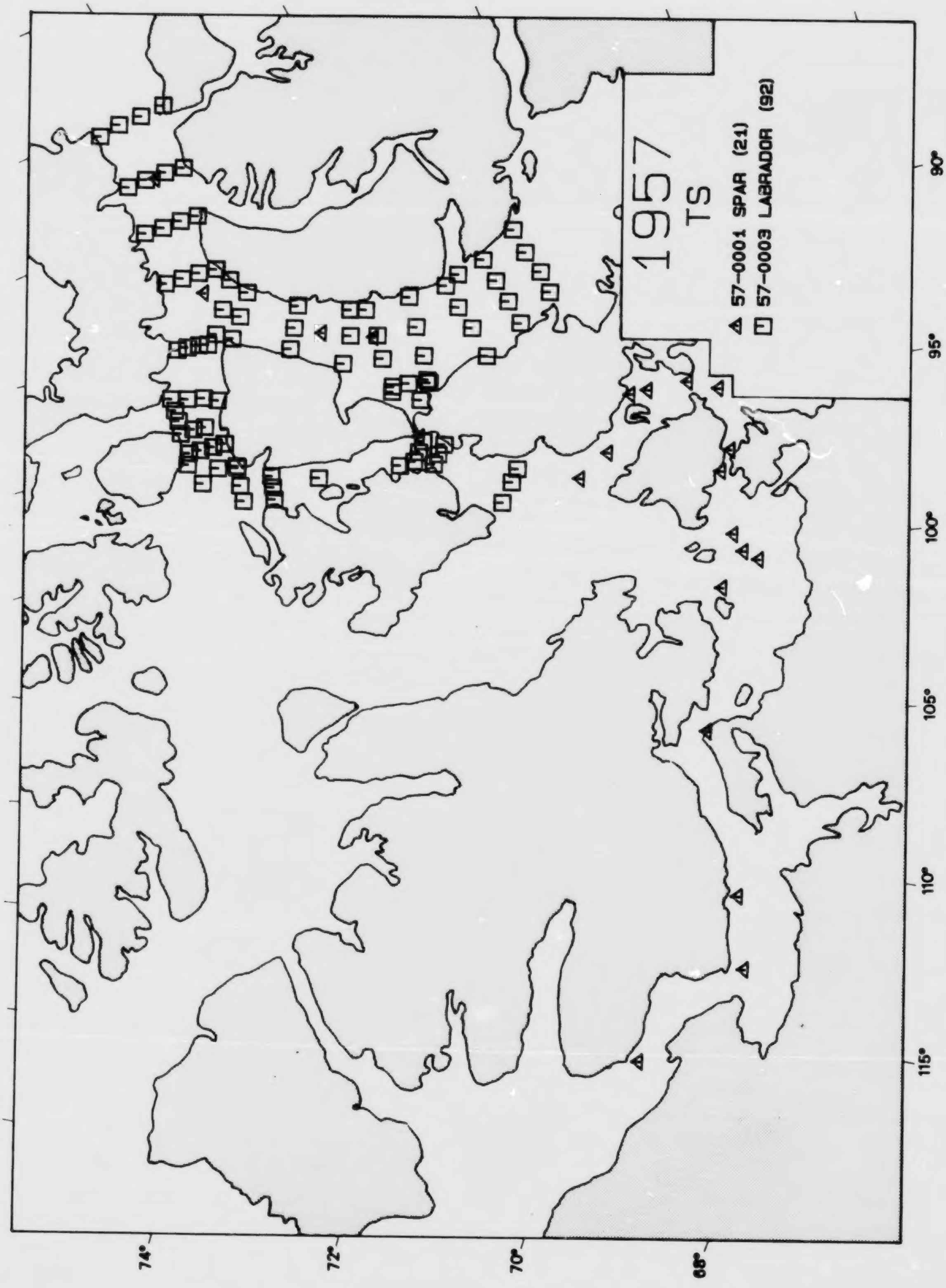

1954
TS
△ 54-0001 LABRADOR (30)
□ 54-0002 BURTON IS. (38)
▽ 54-0003 NORTHWIND (20)
INSTITUTE OF OCEAN SCIENCES 1982
75°
74°
73°
72°
71°
122°
118°
114°
110°
106°
102°

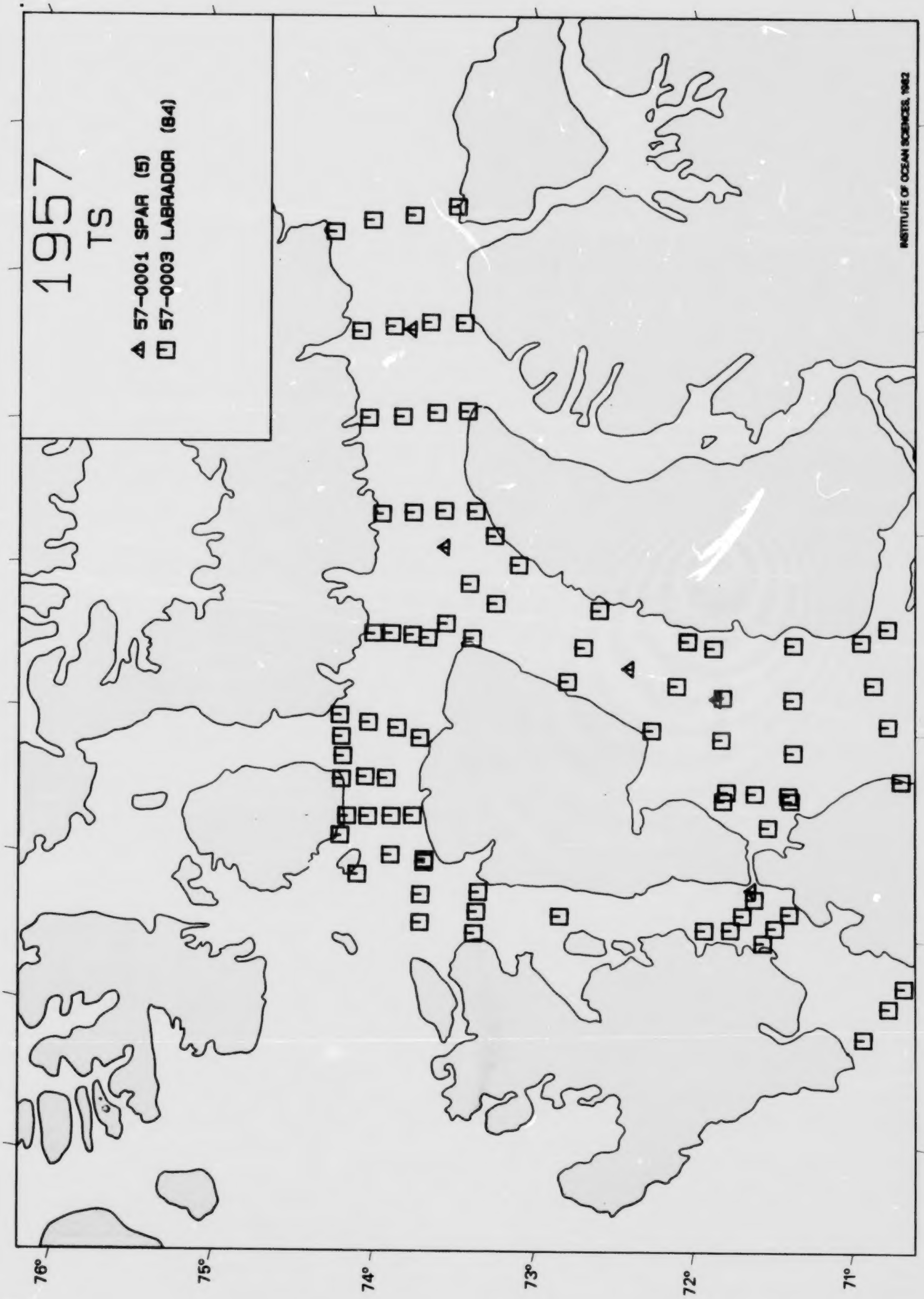


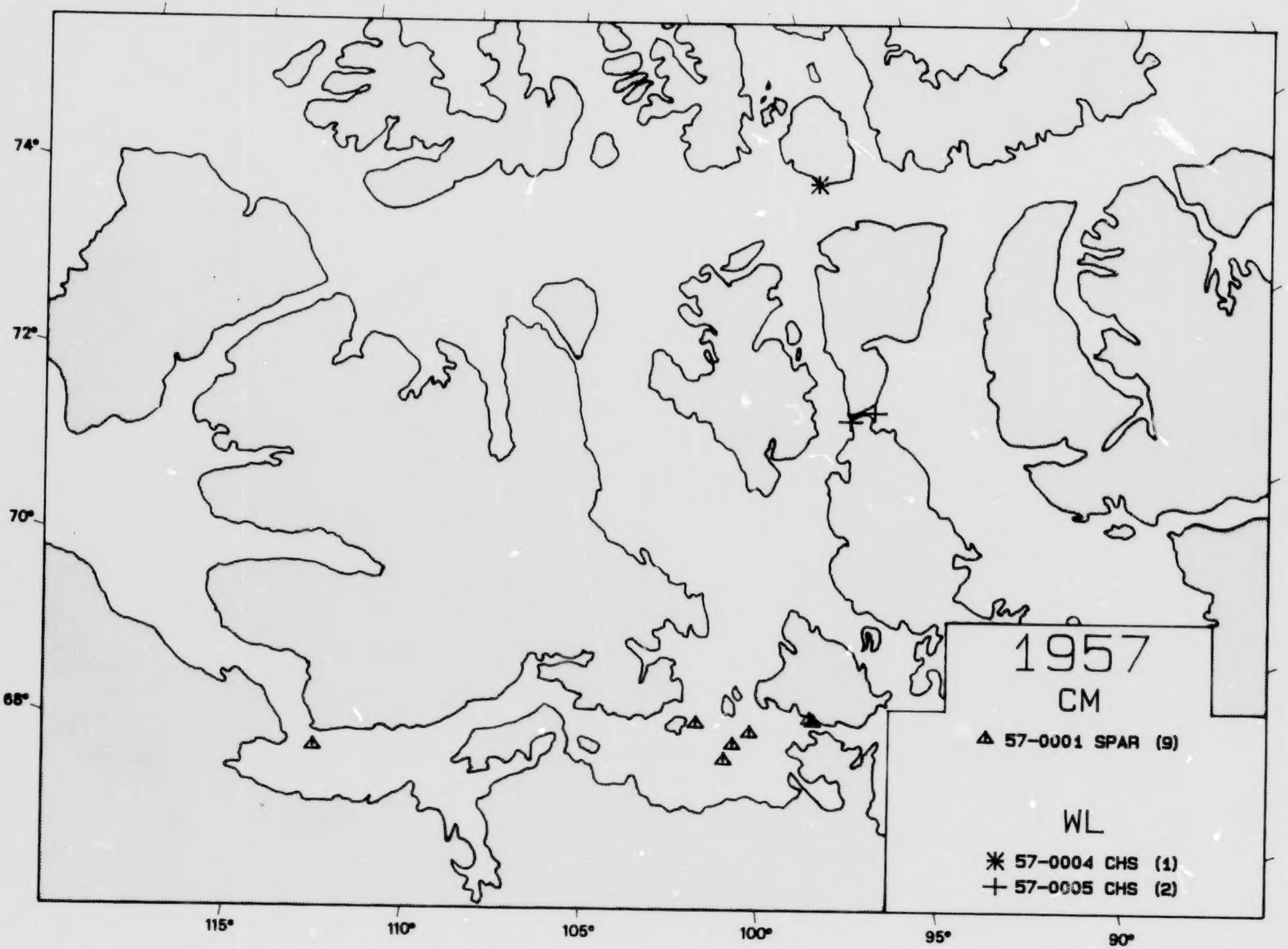
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°
1955
TS
△ 54-0004 MCGILL U. (2)
WL
✱ 55-0003 CHS (1)

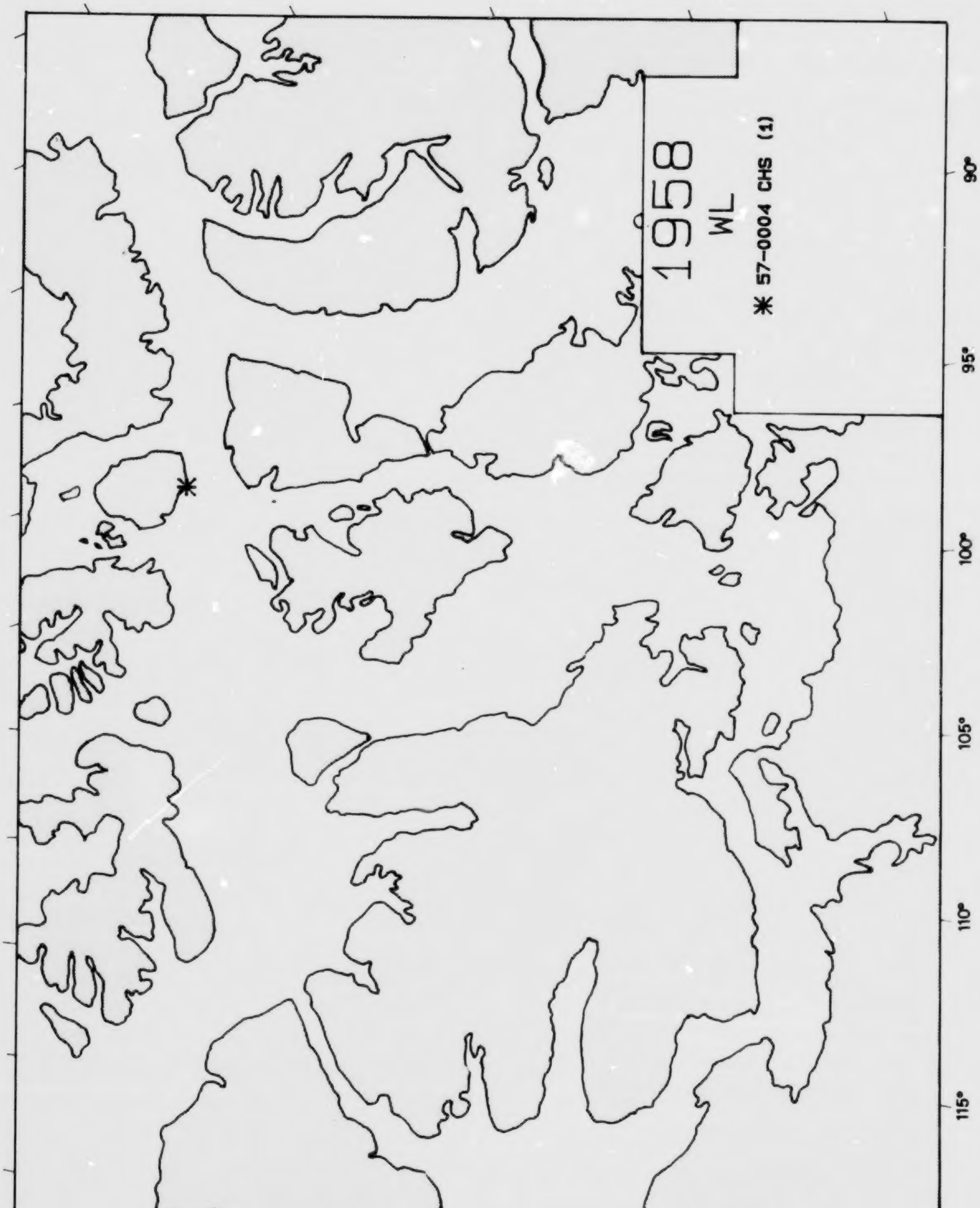

1956
TS
▲ 56-0001 REQUISITE (13)
☐ 56-0002 WOODS HOLE (1)
▼ 56-0003 LABRADOR (45)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°

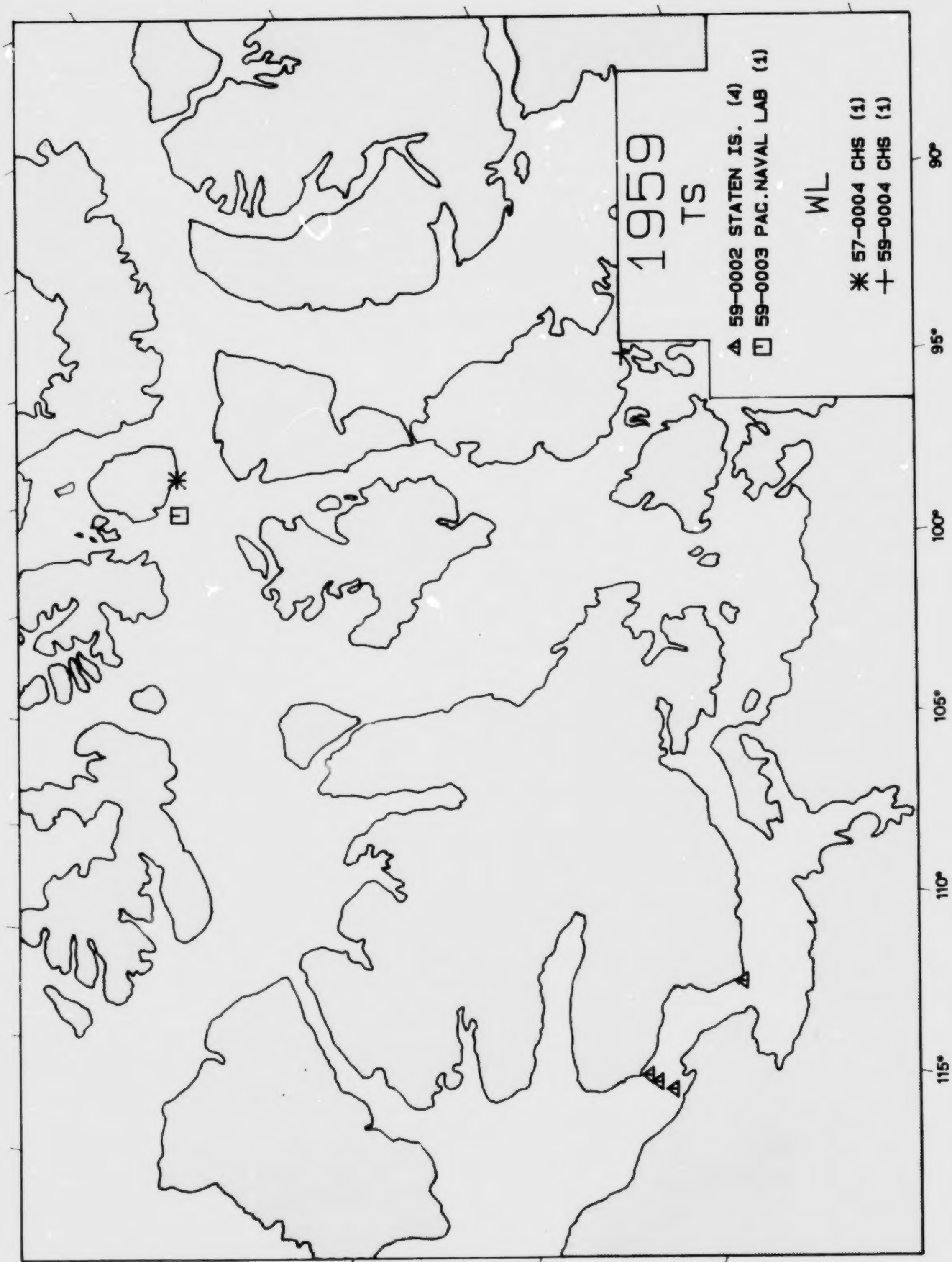

1956
CM
△ 56-0001 REQUISITE (18)
WL
✳ 56-0004 CHS (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°

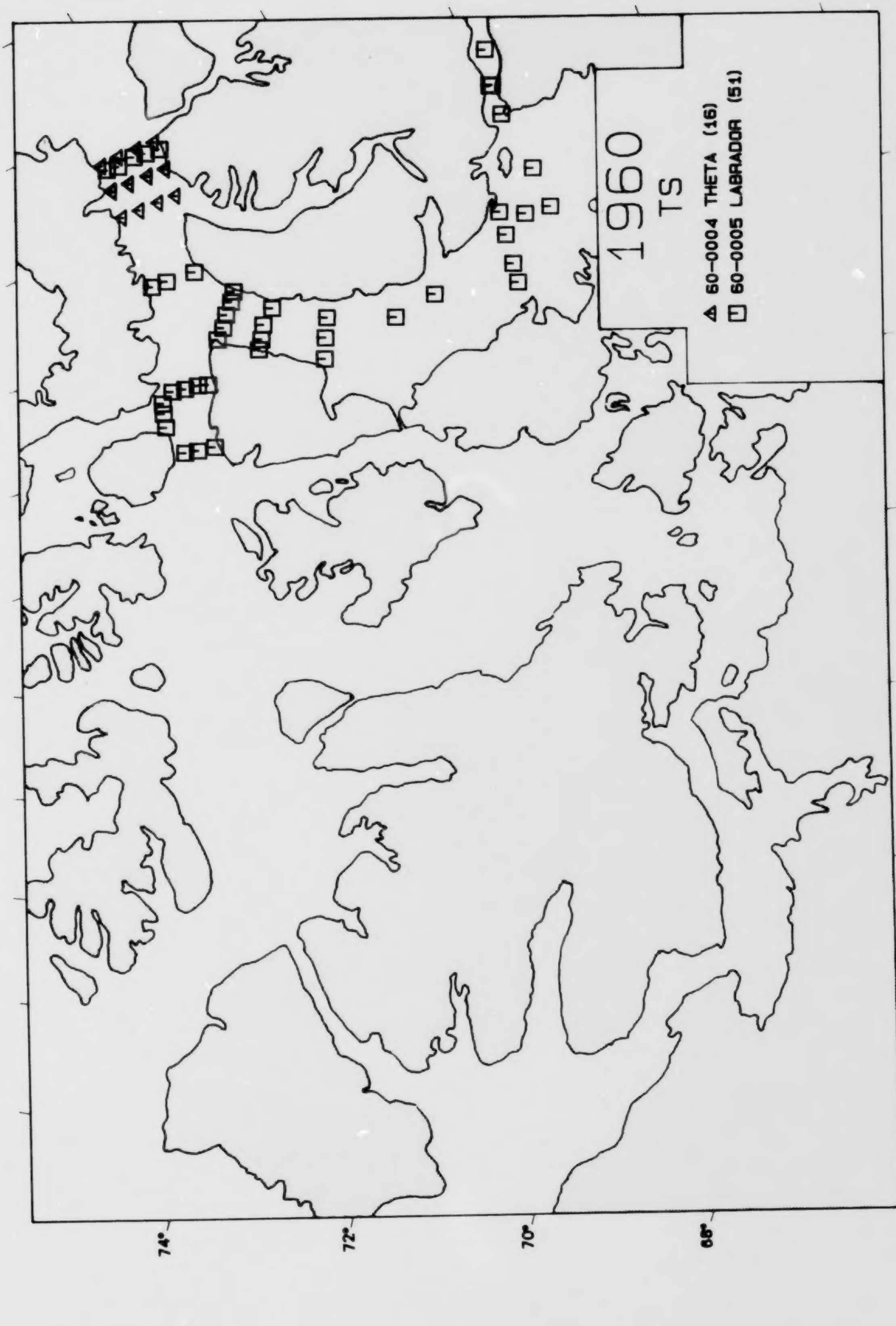

1957
TS
△ 57-0001 SPAR (21)
☐ 57-0003 LABRADOR (92)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°


1957
TS
△ 57-0001 SPAR (5)
⊡ 57-0003 LABRADOR (84)
INSTITUTE OF OCEAN SCIENCES, 1982
76°
75°
74°
73°
72°
71°
80°
84°
88°
92°
96°
100°


1957
CM
△ 57-0001 SPAR (9)
WL
✳ 57-0004 CHS (1)
+ 57-0005 CHS (2)
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°


1958
WL
✱ 57-0004 CHS (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°


1959
TS
△ 59-0002 STATEN IS. (4)
☐ 59-0003 PAC.NAVAL LAB (1)
WL
✳ 57-0004 CHS (1)
+ 59-0004 CHS (1)
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°


1960
TS
△ 60-0004 THETA (16)
□ 60-0005 LABRADOR (51)
90°
95°
100°
105°
110°
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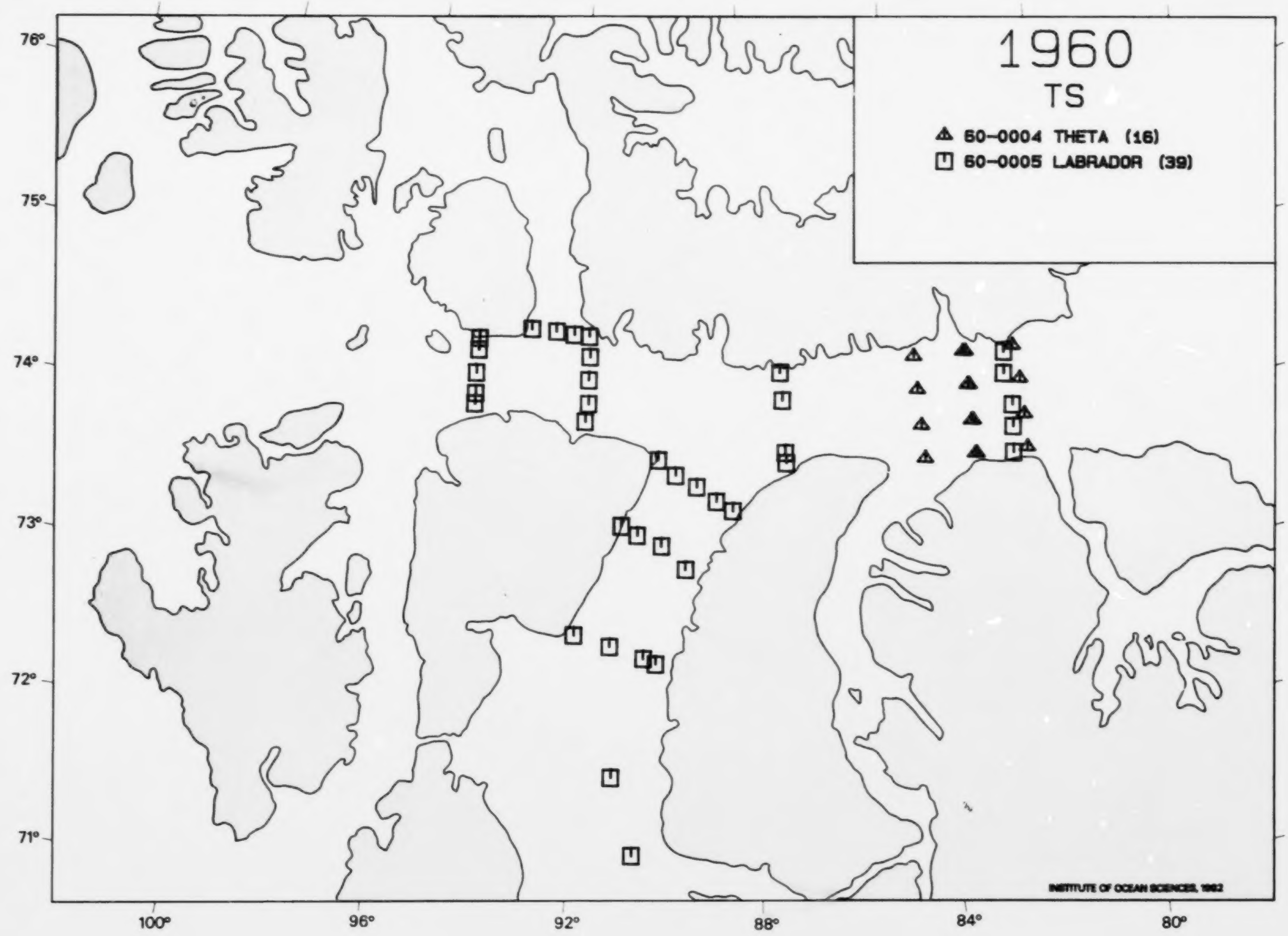
74°
72°
70°
68°


1960
TS
60-0004 THETA (16)
60-0005 LABRADOR (39)
INSTITUTE OF OCEAN SCIENCES, 1982
76°
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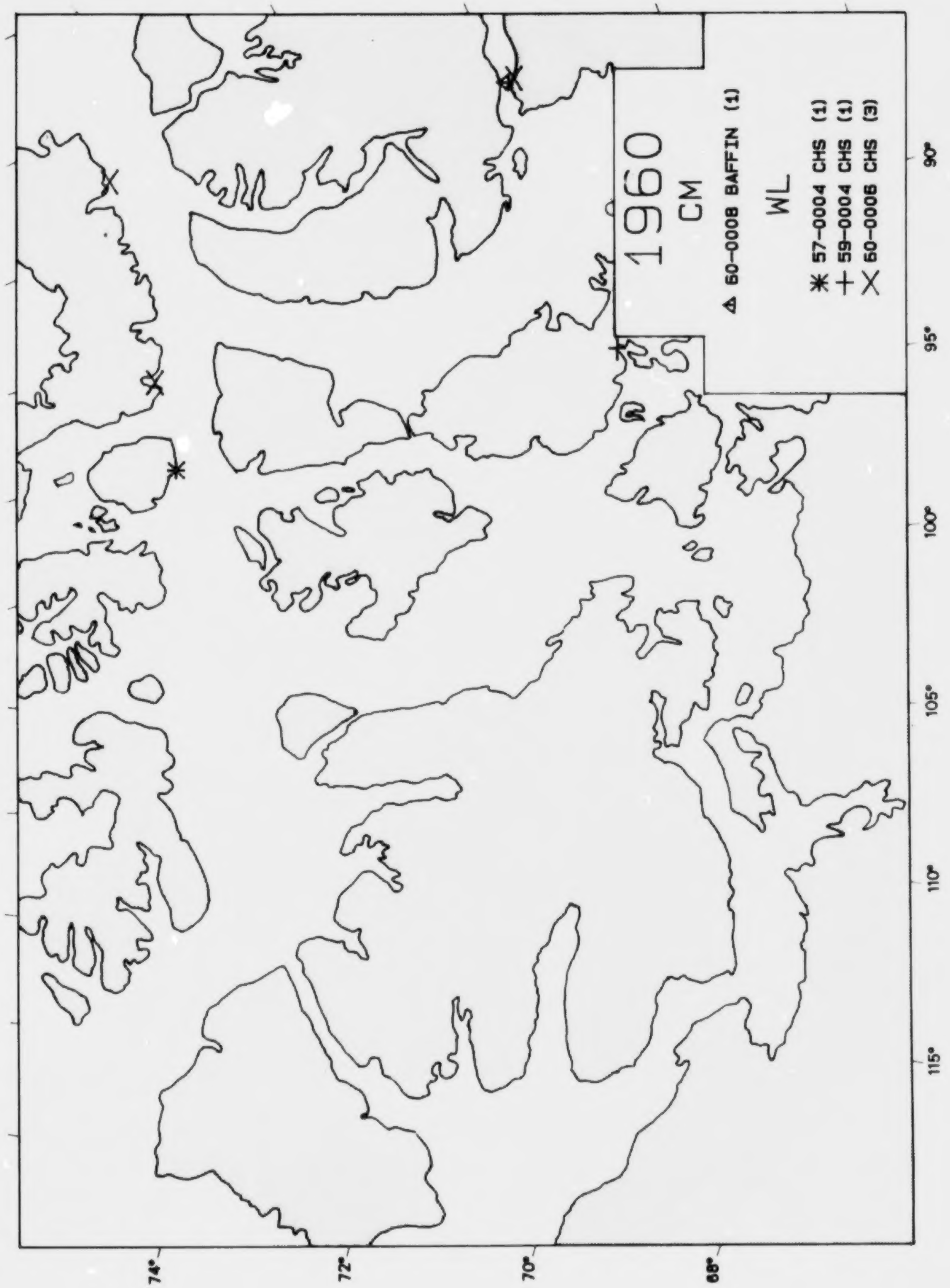
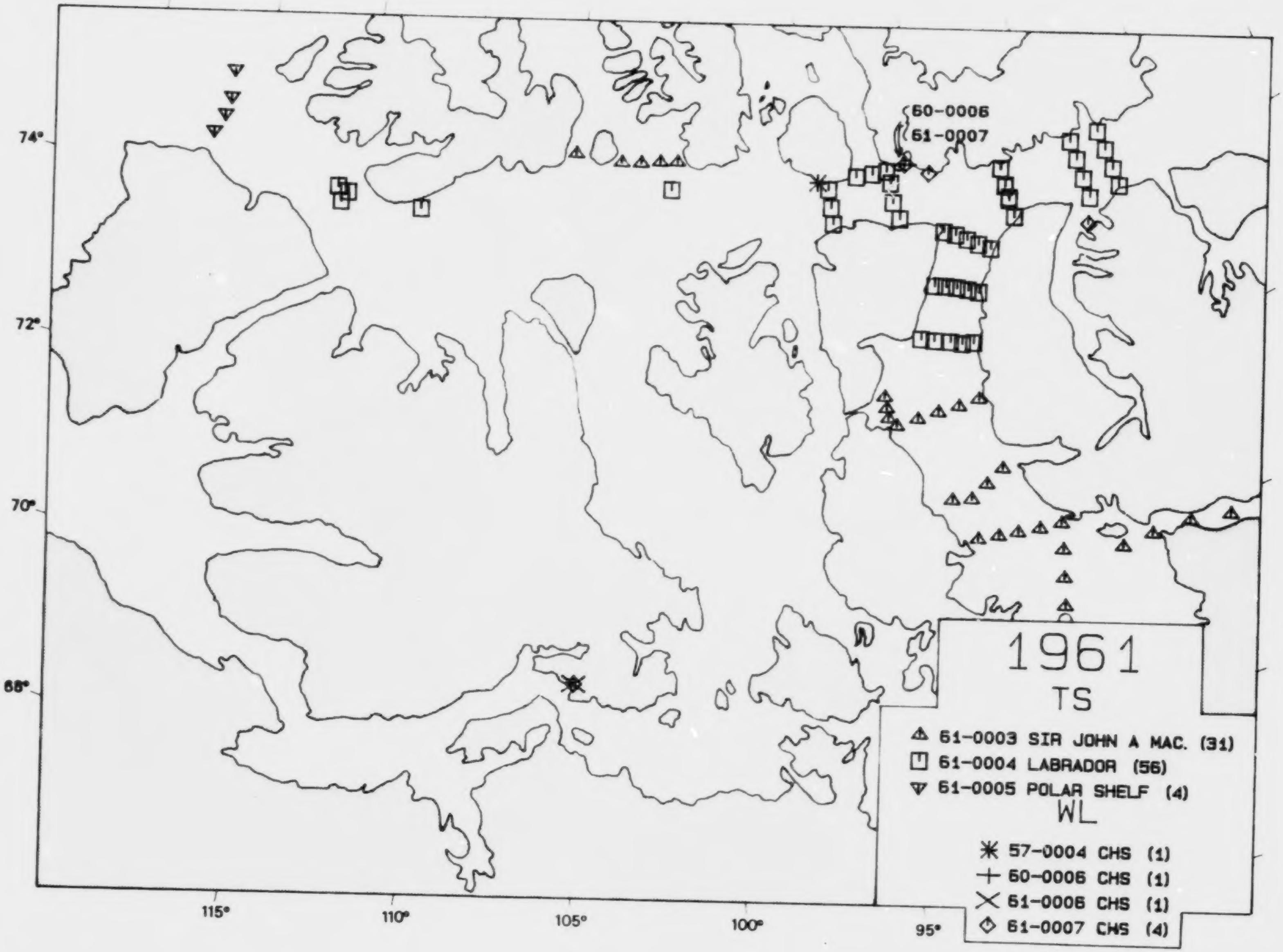
74°
73°
72°
71°
100°
96°
92°
88°
84°
80°


1960
CM
WL
Δ 60-0008 BAFFIN (1)
✳ 57-0004 CHS (1)
+ 59-0004 CHS (1)
× 60-0006 CHS (3)
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°


1961
TS
△ 61-0003 SIR JOHN A MAC. (31)
□ 61-0004 LABRADOR (56)
▽ 61-0005 POLAR SHELF (4)
WL
✳ 57-0004 CHS (1)
+ 60-0006 CHS (1)
✕ 61-0006 CHS (1)
◇ 61-0007 CHS (4)
60-0006
61-0007
74°
72°
70°
68°
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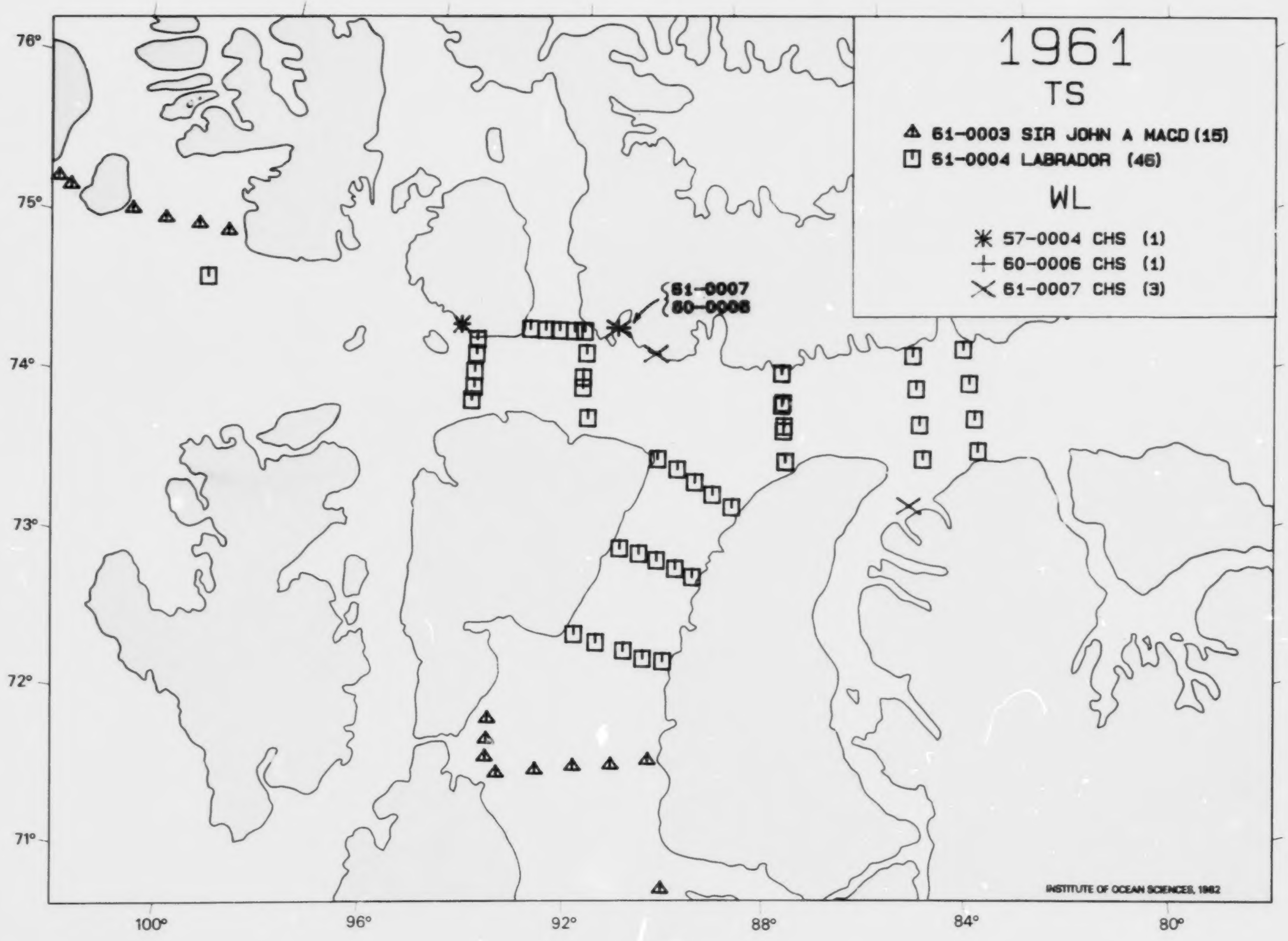
105°
100°
95°


1961
TS
△ 61-0003 SIR JOHN A MACD (15)
□ 61-0004 LABRADOR (46)
WL
✳ 57-0004 CHS (1)
+ 60-0006 CHS (1)
✕ 61-0007 CHS (3)
61-0007
60-0006
76°
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92°
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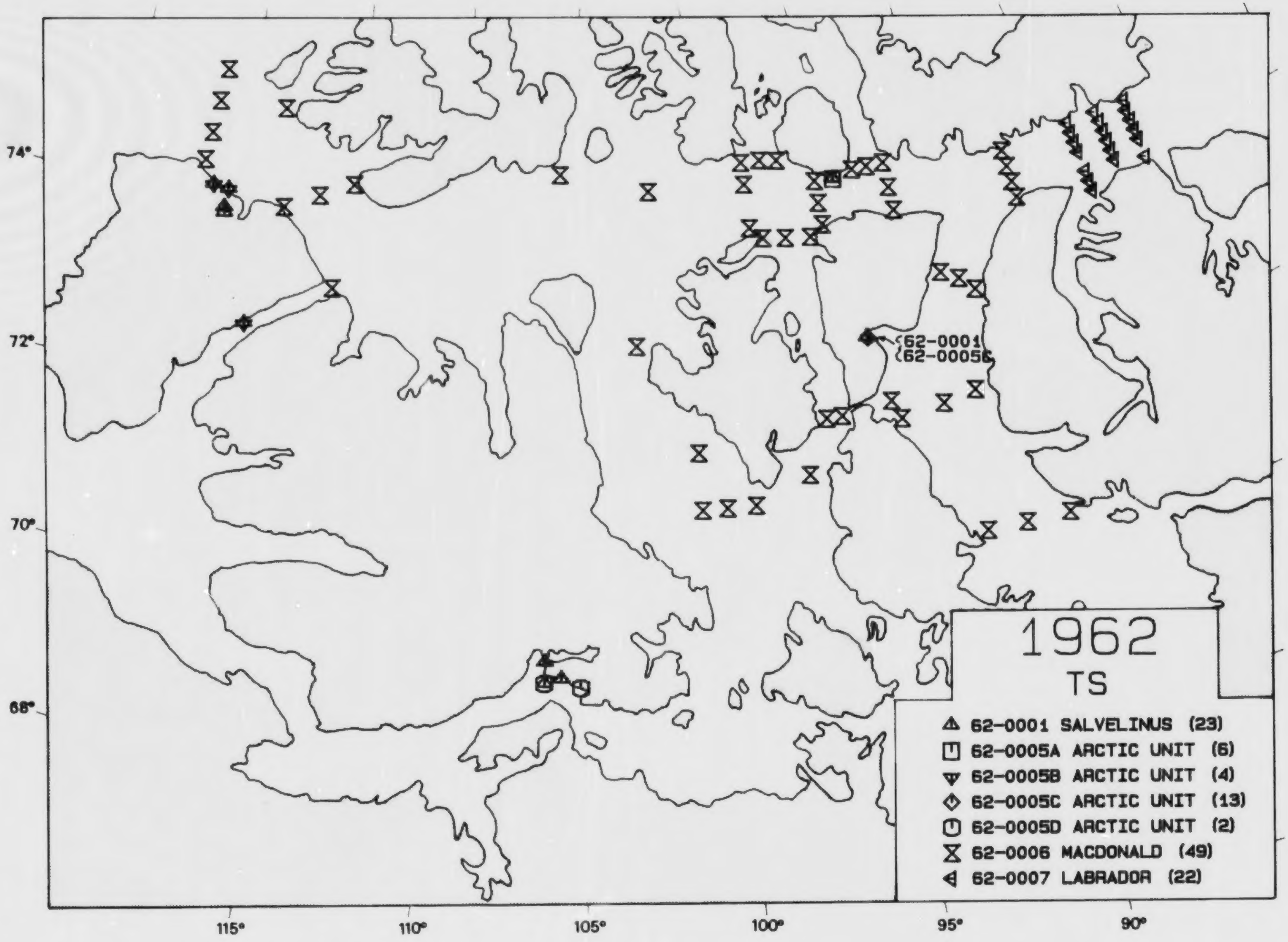
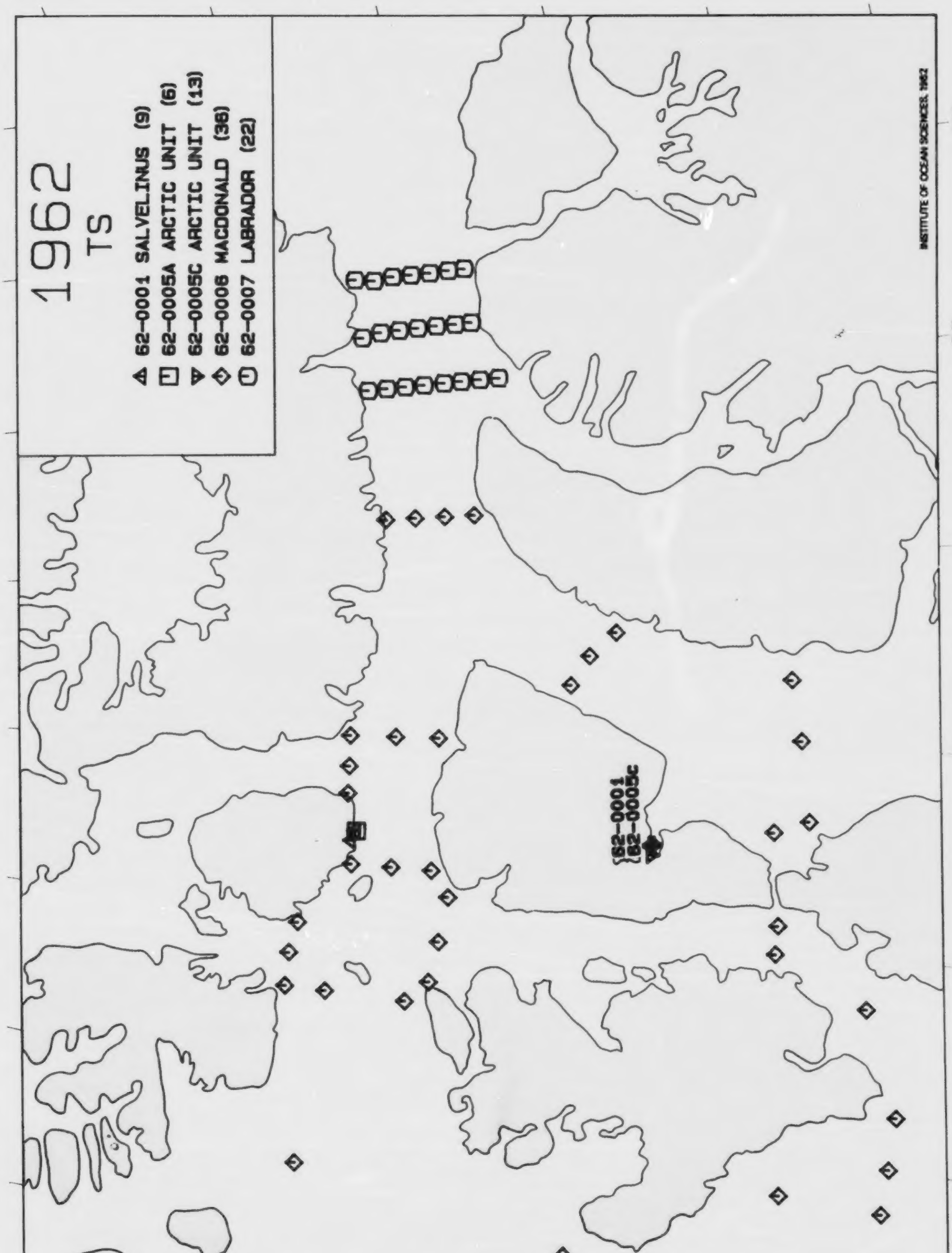
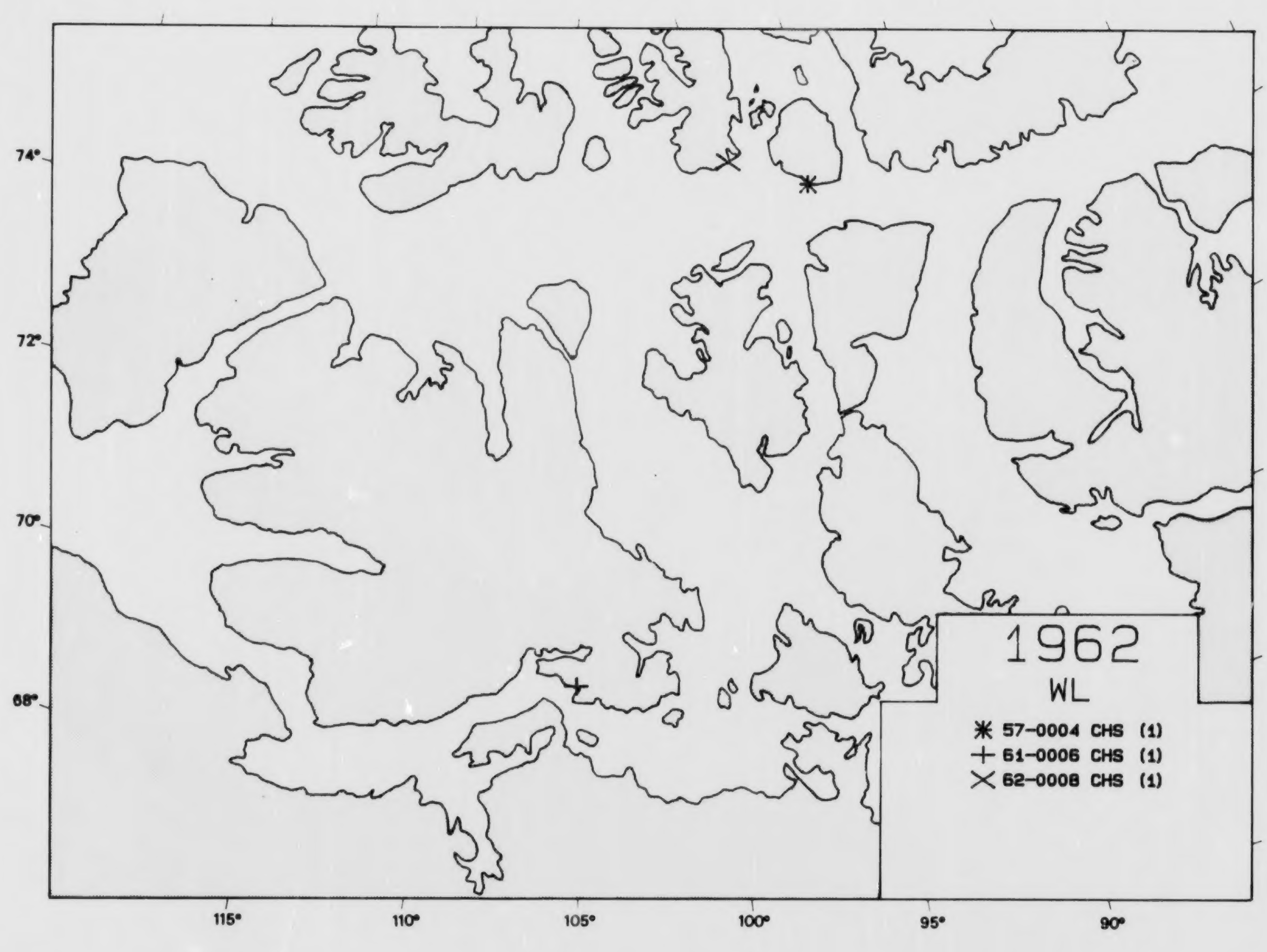
84°
80°
INSTITUTE OF OCEAN SCIENCES, 1982


1962
TS
62-0001 SALVELINUS (23)
62-0005A ARCTIC UNIT (6)
62-0005B ARCTIC UNIT (4)
62-0005C ARCTIC UNIT (13)
62-0005D ARCTIC UNIT (2)
62-0006 MACDONALD (49)
62-0007 LABRADOR (22)
62-0001
62-0005C
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°


1962
TS
△ 62-0001 SALVELINUS (9)
☐ 62-0005A ARCTIC UNIT (6)
▽ 62-0005C ARCTIC UNIT (13)
◇ 62-0006 MACDONALD (36)
U 62-0007 LABRADOR (22)
62-0001
62-0005C
76°
75°
74°
73°
72°
71°
80°
84°
88°
92°
96°
100°
INSTITUTE OF OCEAN SCIENCES, 1962


1962
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 62-0008 CHS (1)
74°
72°
70°
68°
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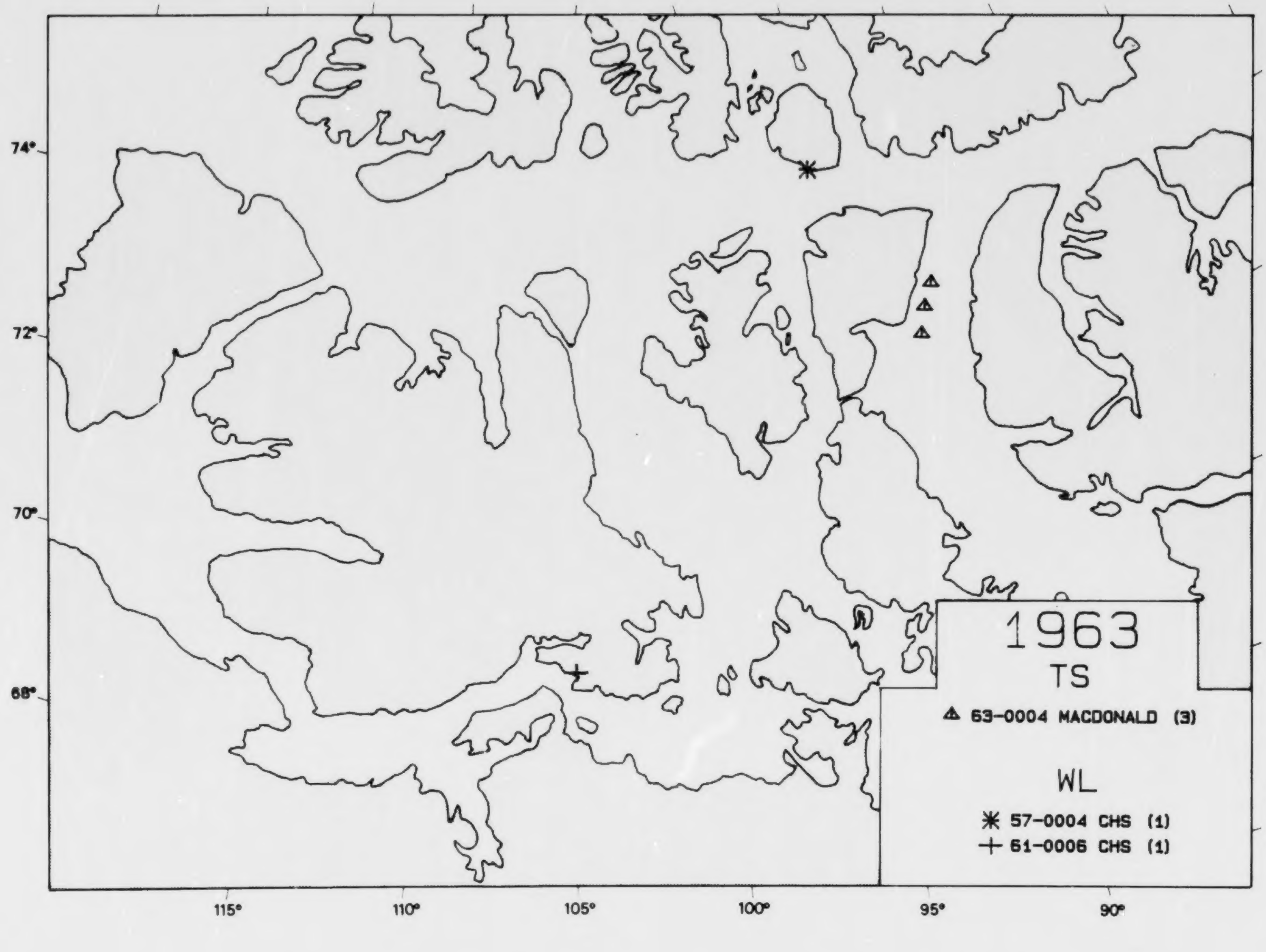
110°
105°
100°
95°
90°


1963
TS
△ 63-0004 MACDONALD (3)
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
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72°
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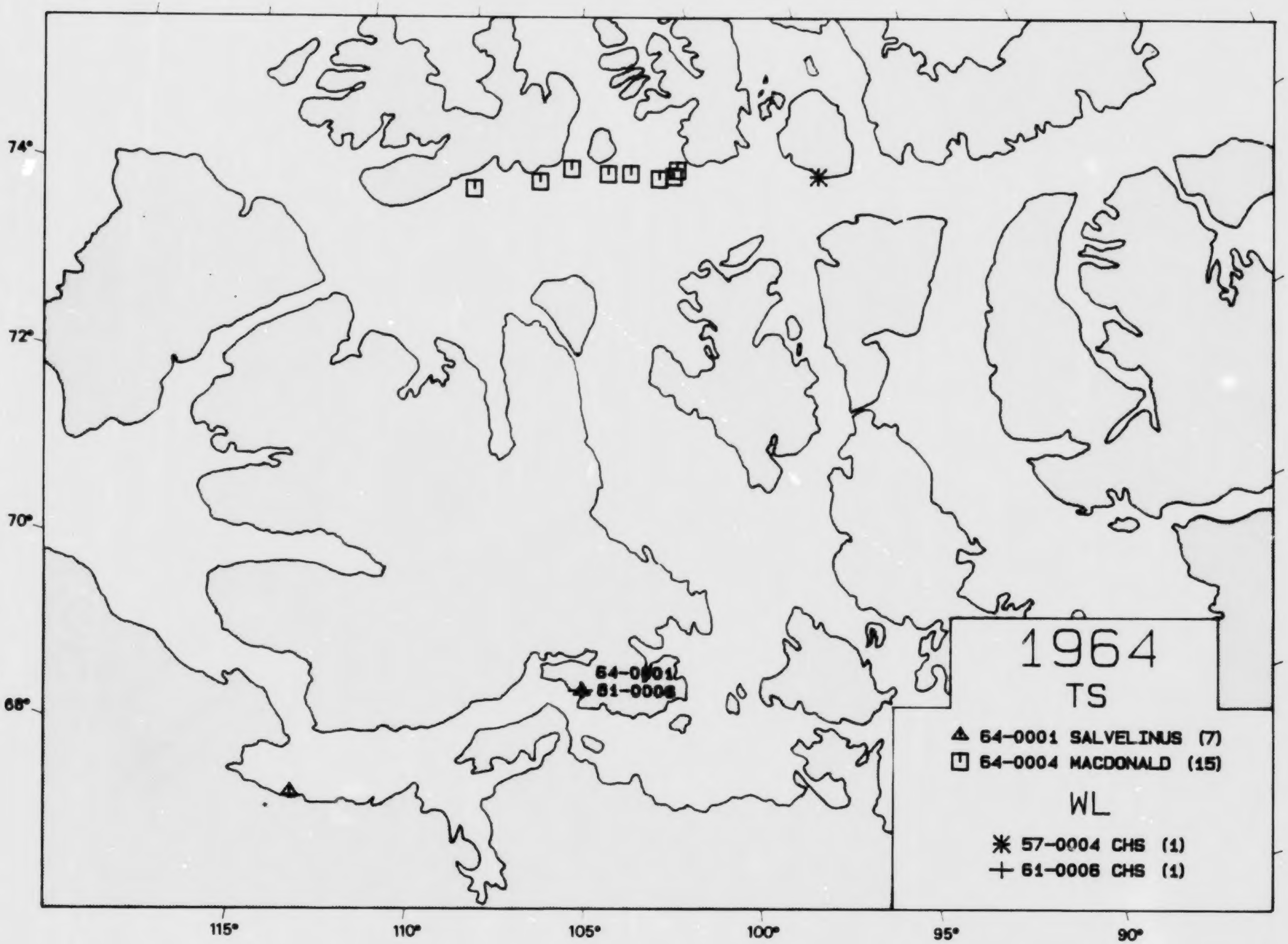
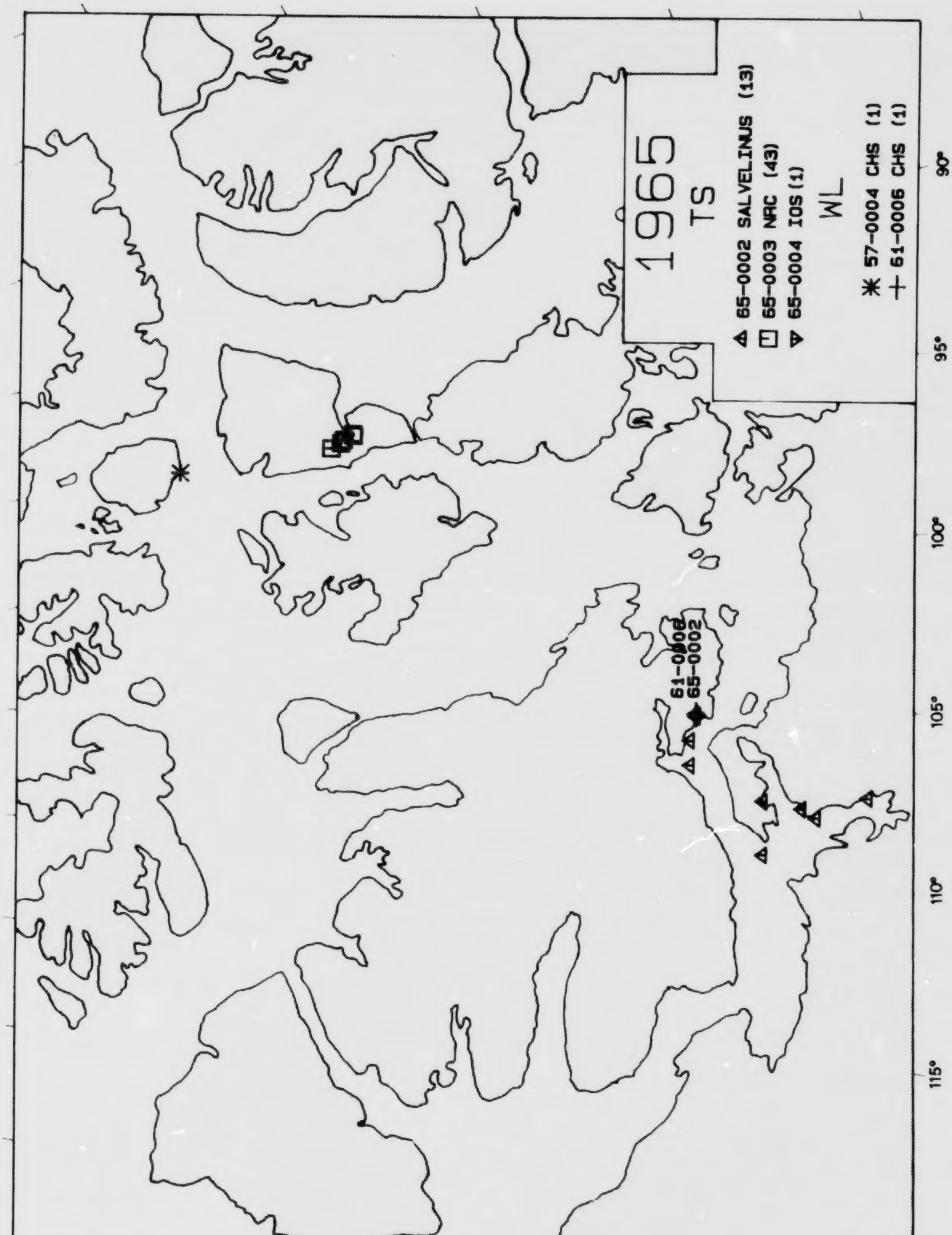
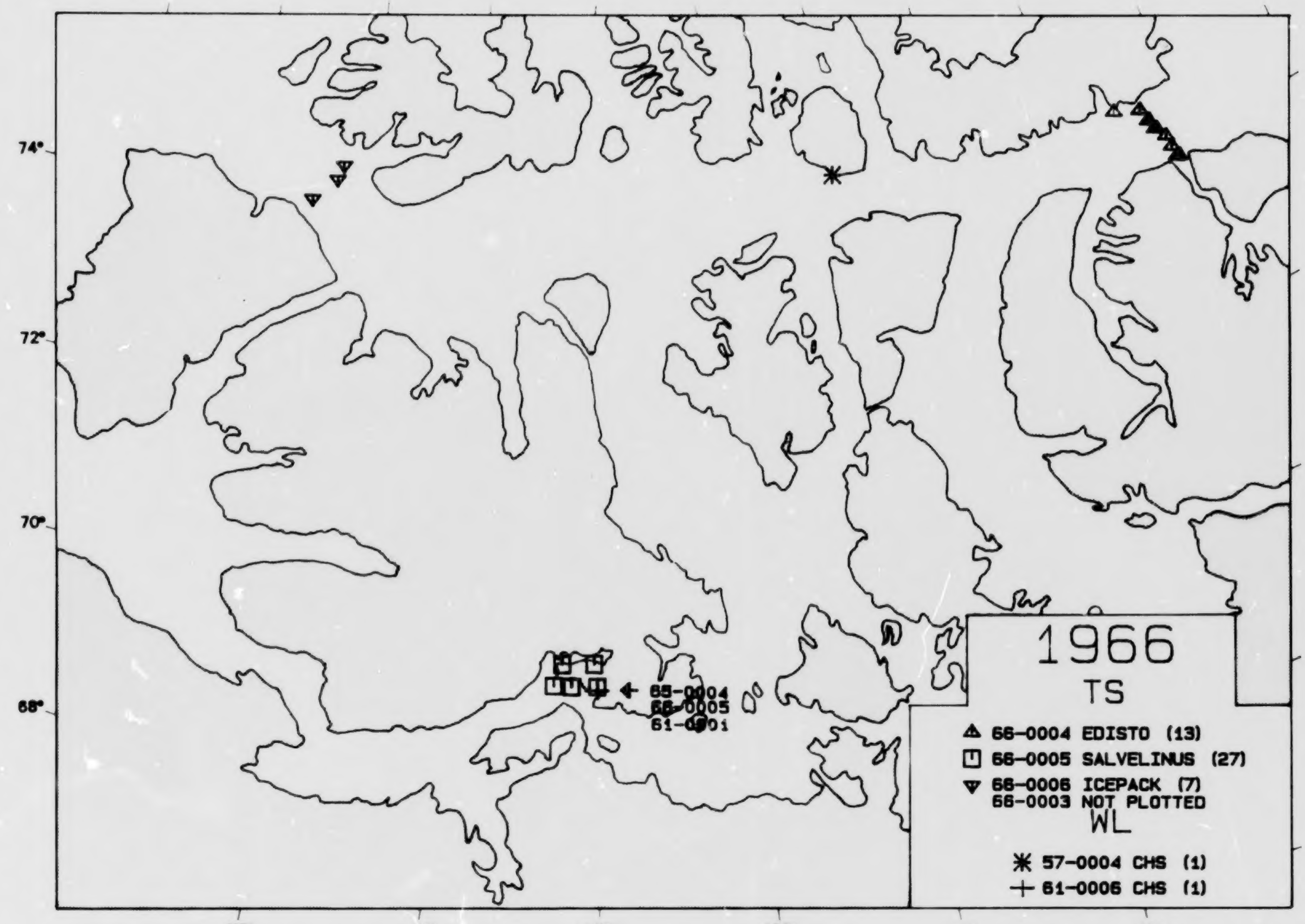
100°
95°
90°


1964
TS
△ 64-0001 SALVELINUS (7)
☐ 64-0004 MACDONALD (15)
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
64-0001
61-0006
74°
72°
70°
68°
115°
110°
105°
100°
95°
90°


1965
TS
△ 65-0002 SALVELINUS (13)
□ 65-0003 NRC (43)
▽ 65-0004 IOS (1)
WL
✱ 57-0004 CHS (1)
+ 61-0006 CHS (1)
61-0006
65-0002
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°


1966
TS
△ 66-0004 EDISTO (13)
□ 66-0005 SALVELINUS (27)
▽ 66-0006 ICEPACK (7)
66-0003 NOT PLOTTED
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
65-0004
66-0005
61-0001
74°
72°
70°
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115°
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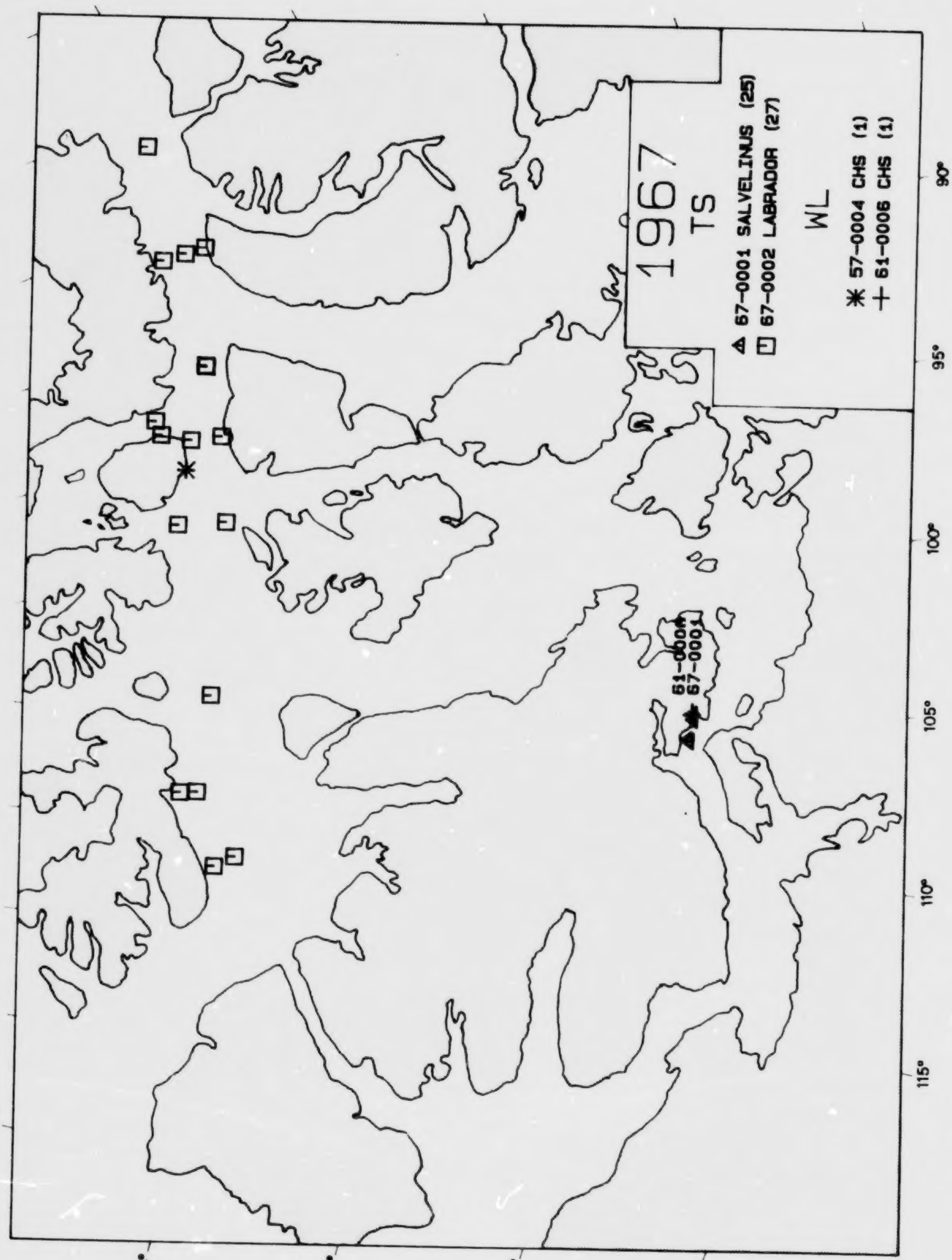
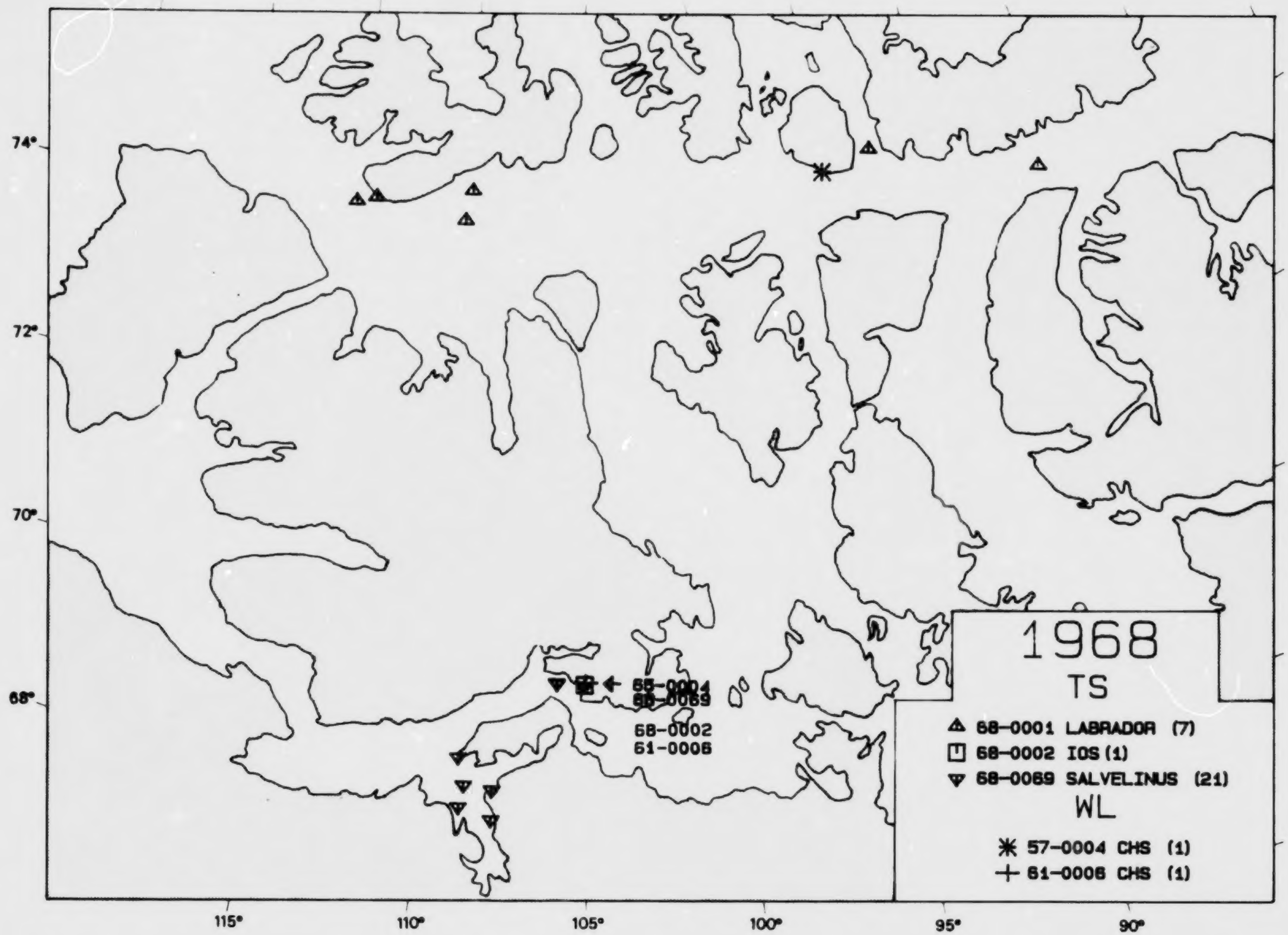
100°
95°
90°


1967
TS
△ 67-0001 SALVELINUS (25)
⊡ 67-0002 LABRADOR (27)
WL
✱ 57-0004 CHS (1)
+ 61-0006 CHS (1)
61-0006
67-0001
74°
72°
70°
68°
90°
95°
100°
105°
110°
115°


1968
TS
△ 68-0001 LABRADOR (7)
☐ 68-0002 IOS (1)
▼ 68-0069 SALVELINUS (21)
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
65-0004
68-0069
68-0002
61-0006
74°
72°
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68°
115°
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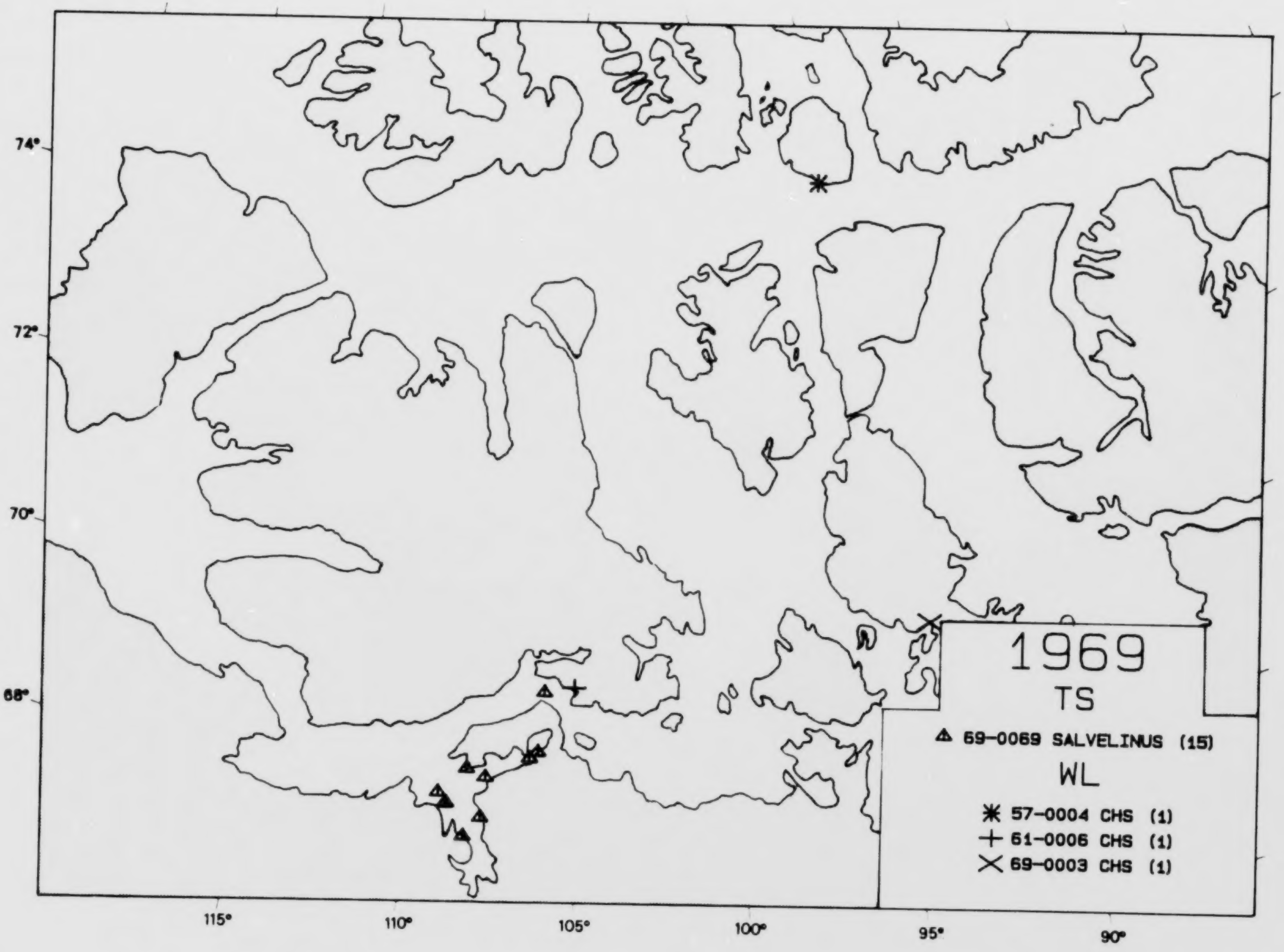
1969
TS
△ 69-0069 SALVELINUS (15)
WL
✱ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
74°
72°
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115°
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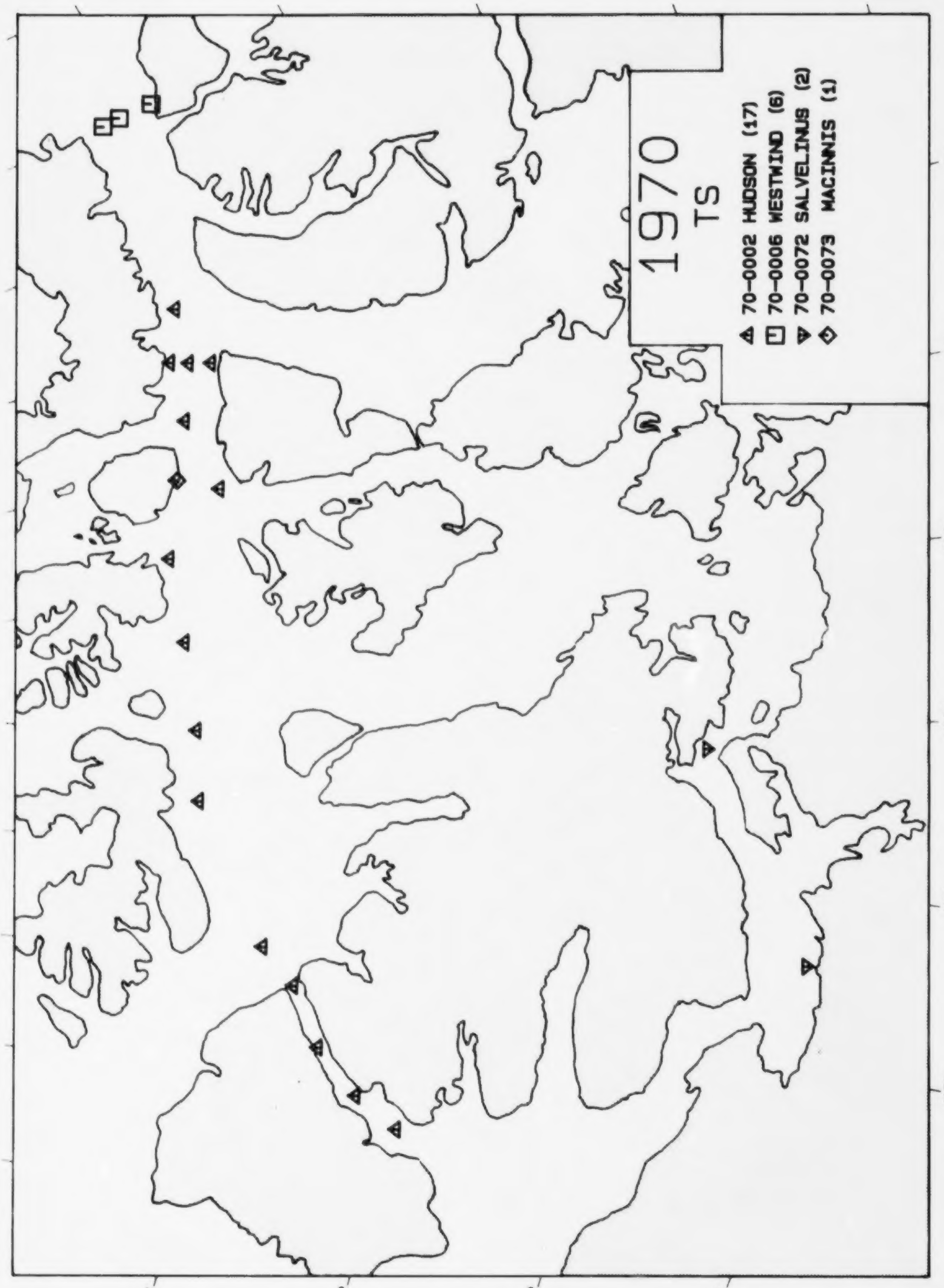
1970
TS
△ 70-0002 HUDSON (17)
□ 70-0006 WESTWIND (6)
▽ 70-0072 SALVELINUS (2)
◇ 70-0073 MACINNIS (1)
74°
72°
70°
68°
90°
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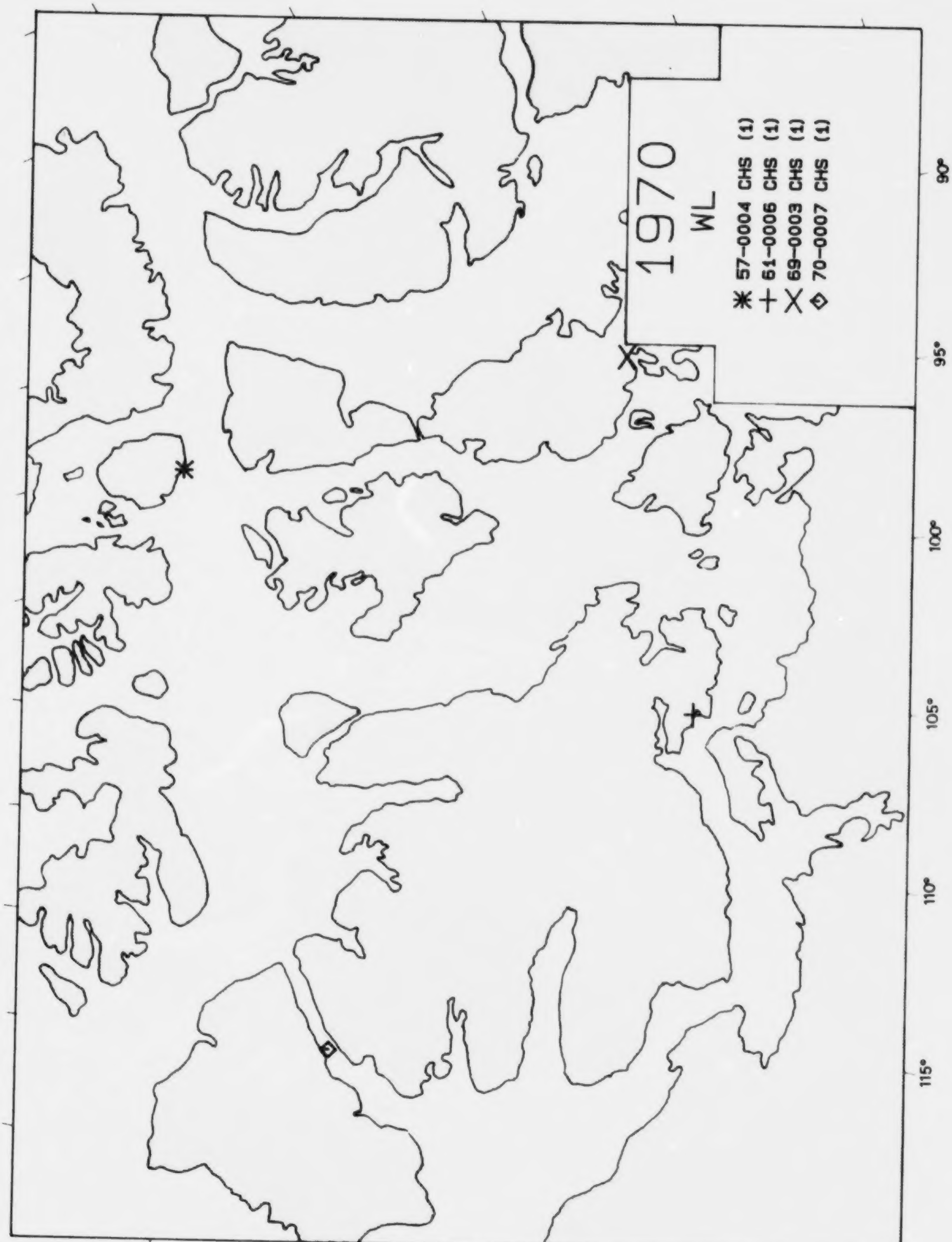
115°


1970
WL
✱ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
◇ 70-0007 CHS (1)
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72°
70°
68°
90°
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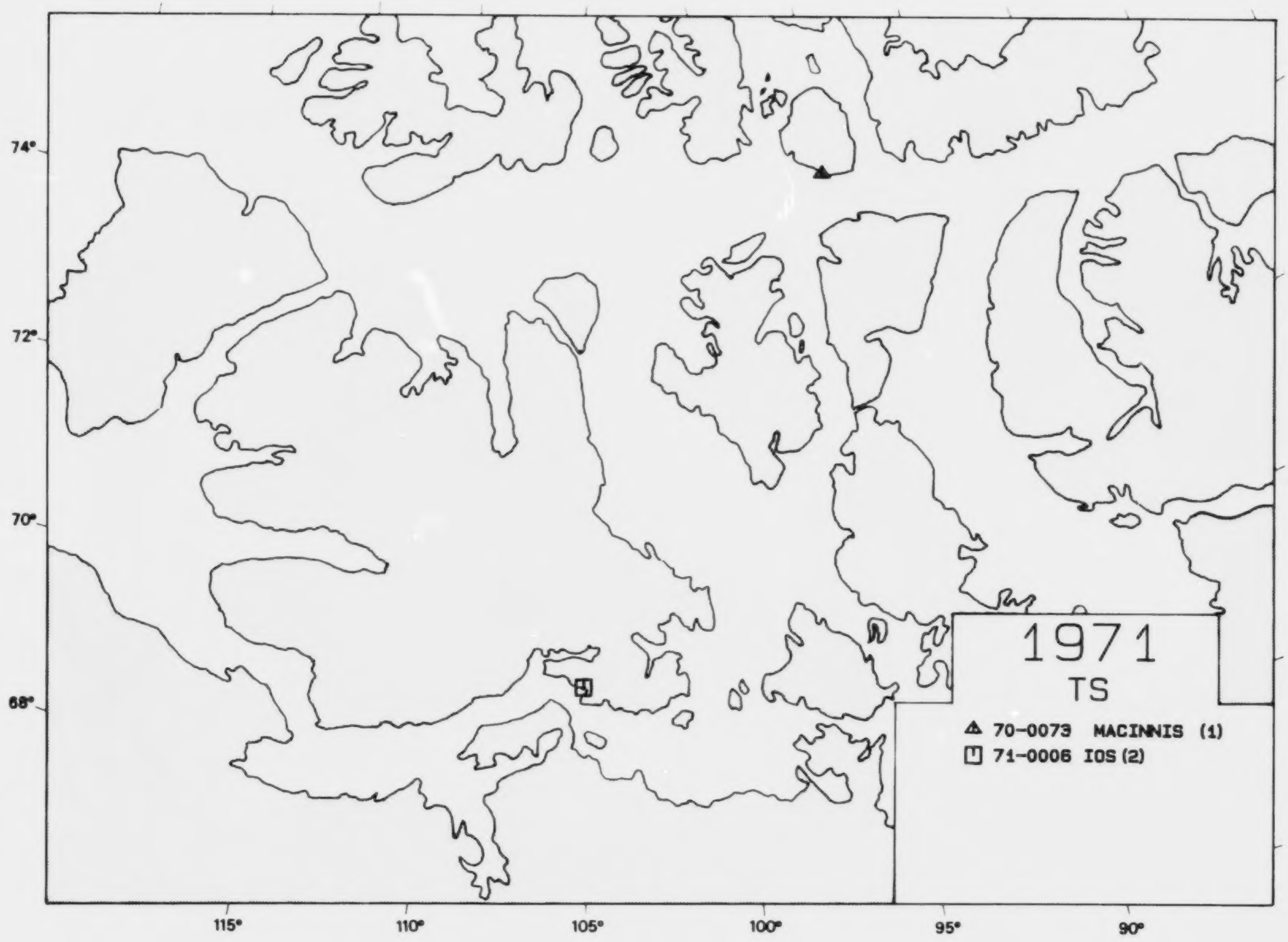
115°


1971
TS
▲ 70-0073 MACINNIS (1)
☐ 71-0006 IOS (2)
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72°
70°
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115°
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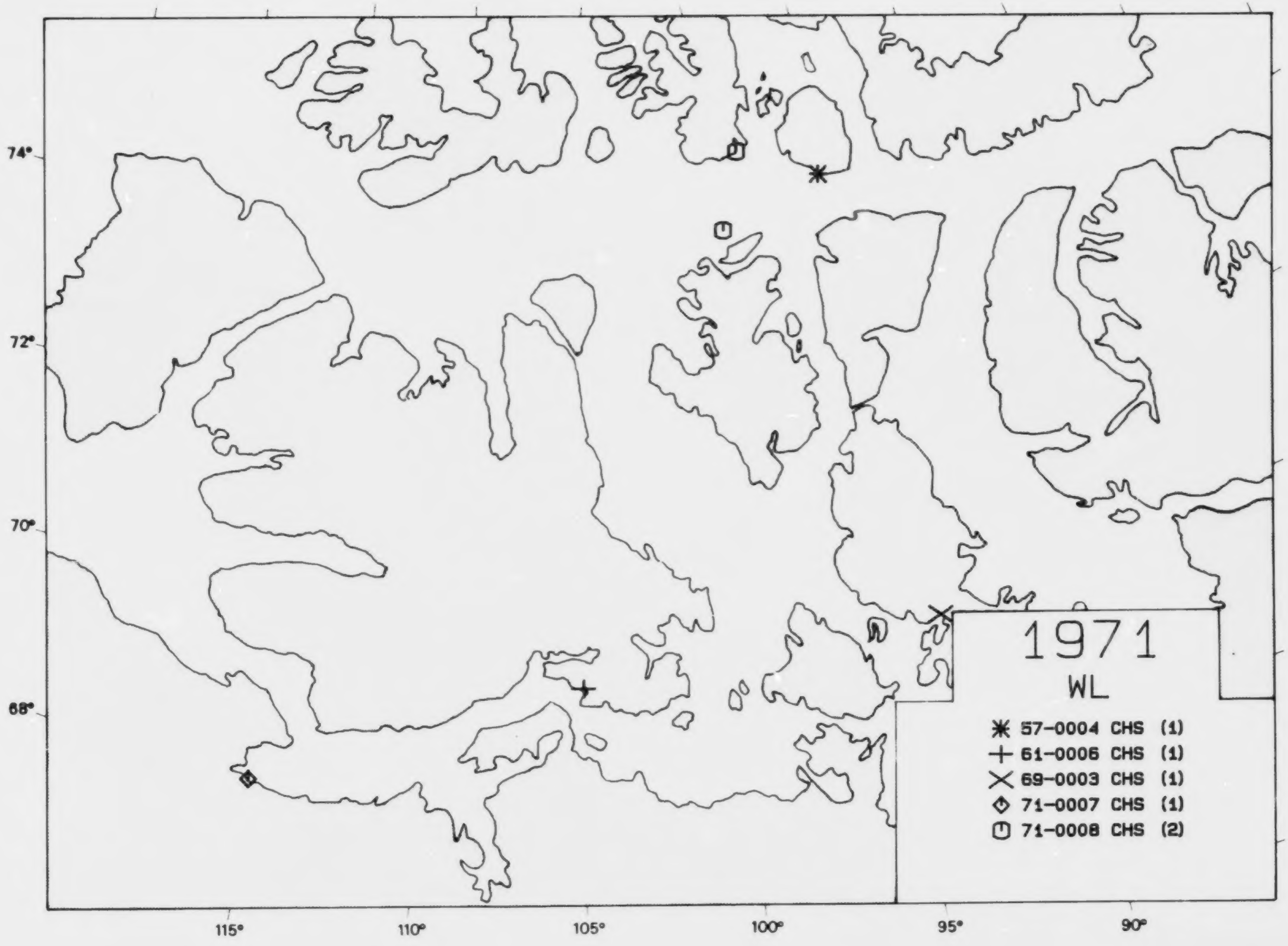
105°
100°
95°
90°


1971
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
◇ 71-0007 CHS (1)
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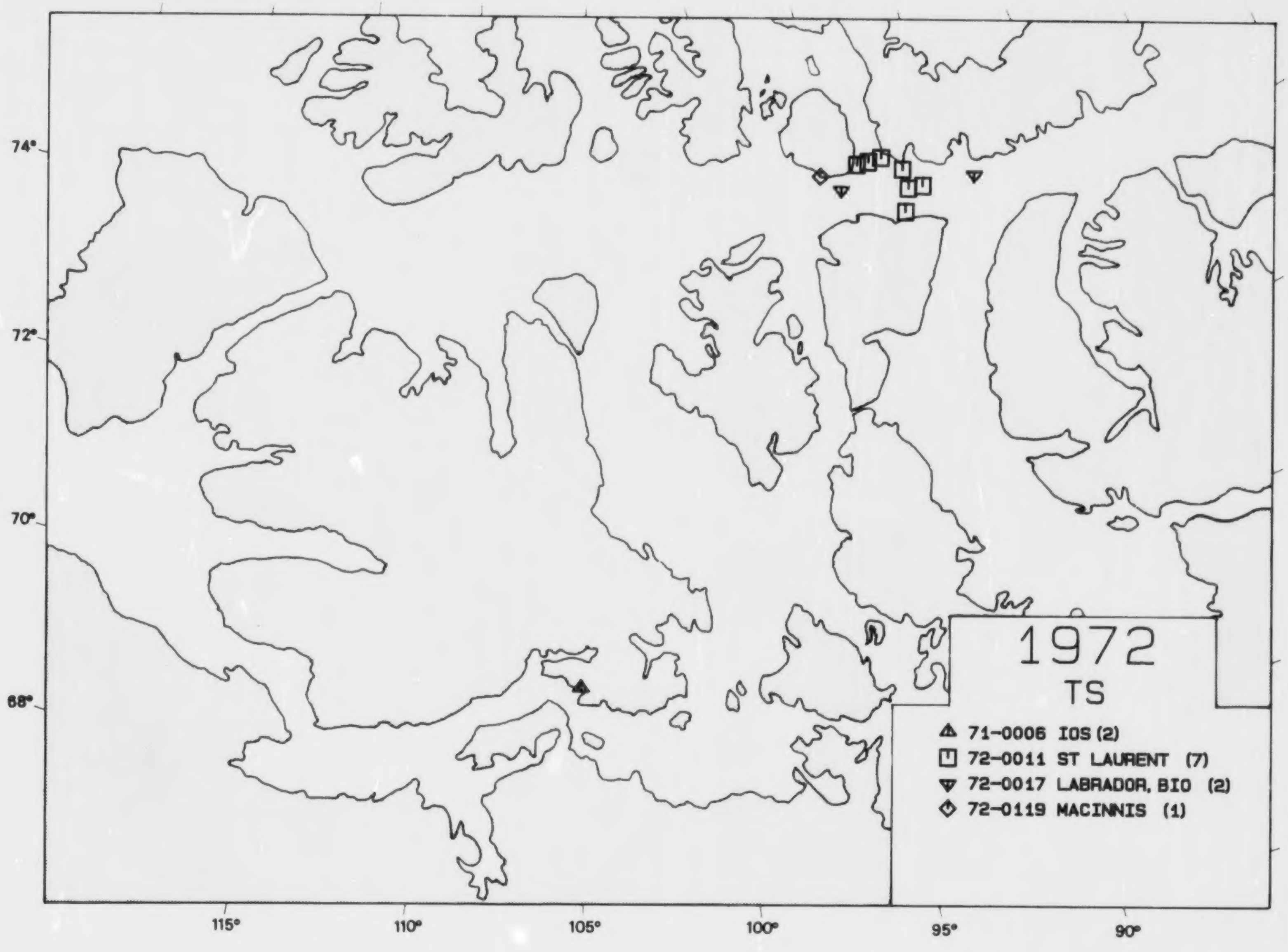
1972
TS
▲ 71-0006 IOS (2)
□ 72-0011 ST LAURENT (7)
▼ 72-0017 LABRADOR, BIO (2)
◇ 72-0119 MACINNIS (1)
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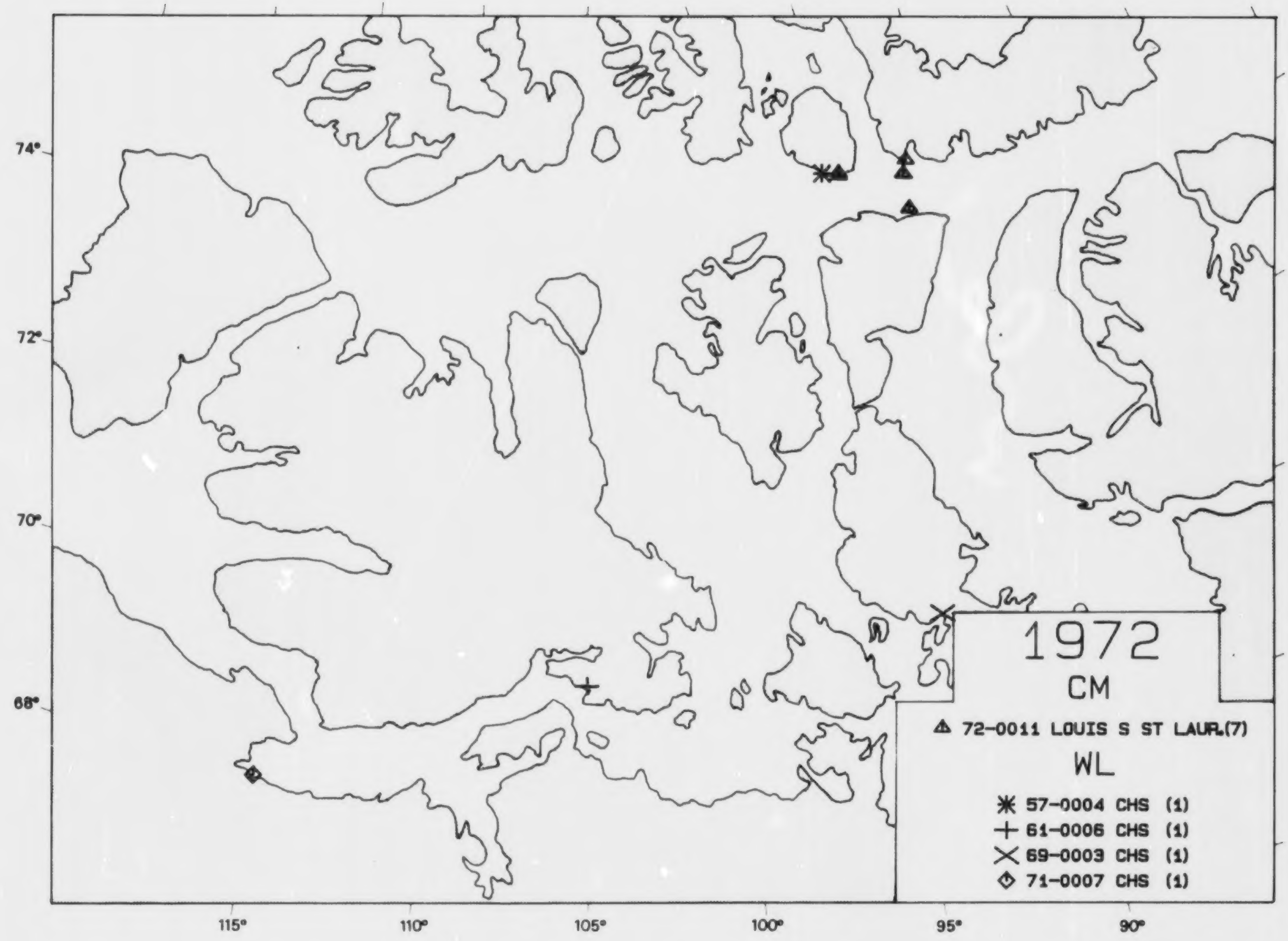
90°


1972
CM
△ 72-0011 LOUIS S ST LAUR.(7)
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
✕ 69-0003 CHS (1)
◇ 71-0007 CHS (1)
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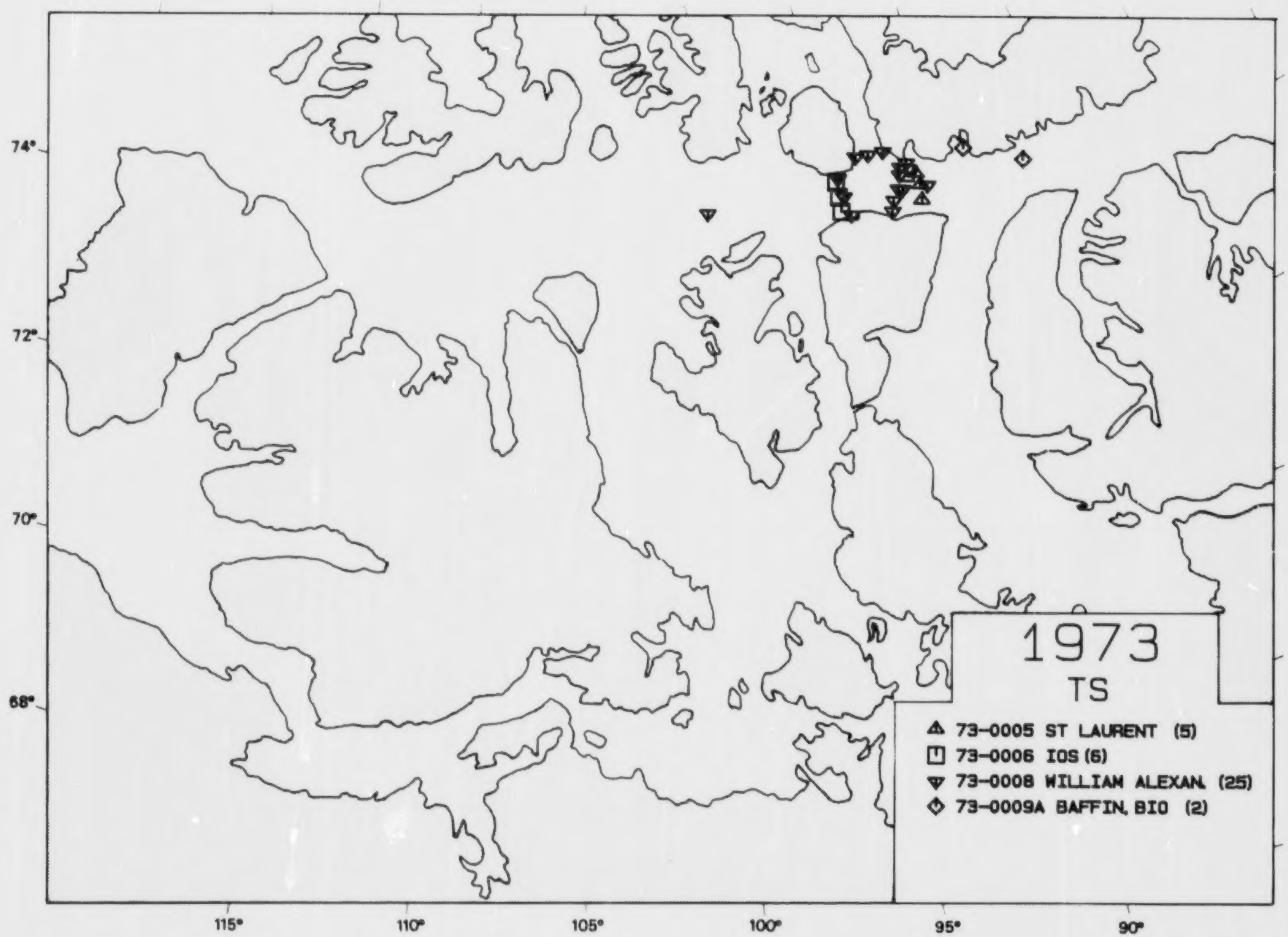
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72°
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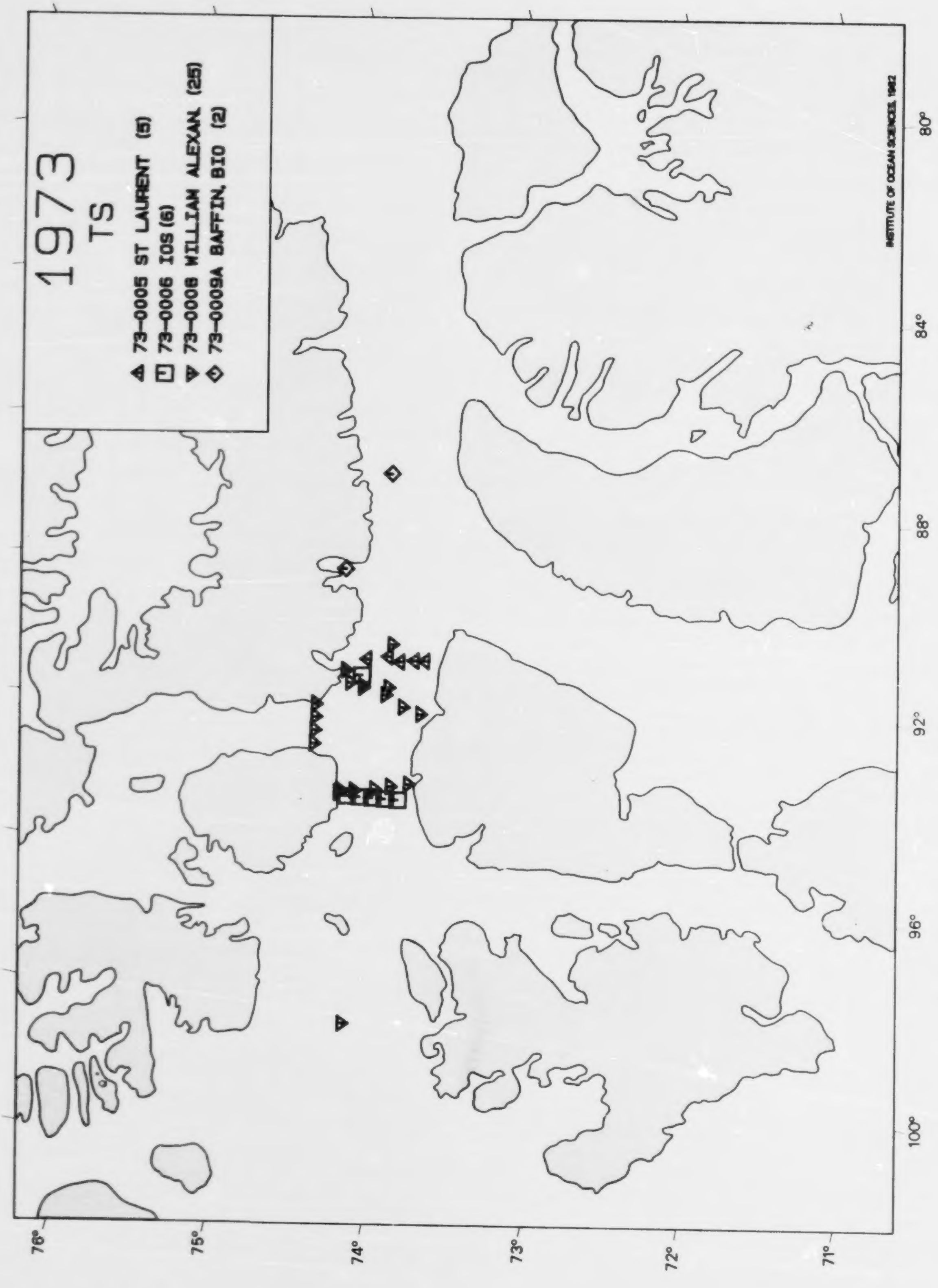
68°
115°
110°
105°
100°
95°
90°
1973
TS
△ 73-0005 ST LAURENT (5)
□ 73-0006 IOS (6)
▽ 73-0008 WILLIAM ALEXAN. (25)
◇ 73-0009A BAFFIN, BIO (2)


1973
TS
▲ 73-0005 ST LAURENT (5)
□ 73-0006 IOS (6)
▼ 73-0008 WILLIAM ALEXAN. (25)
◇ 73-0009A BAFFIN, BIO (2)
INSTITUTE OF OCEAN SCIENCES, 1982
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75°
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71°
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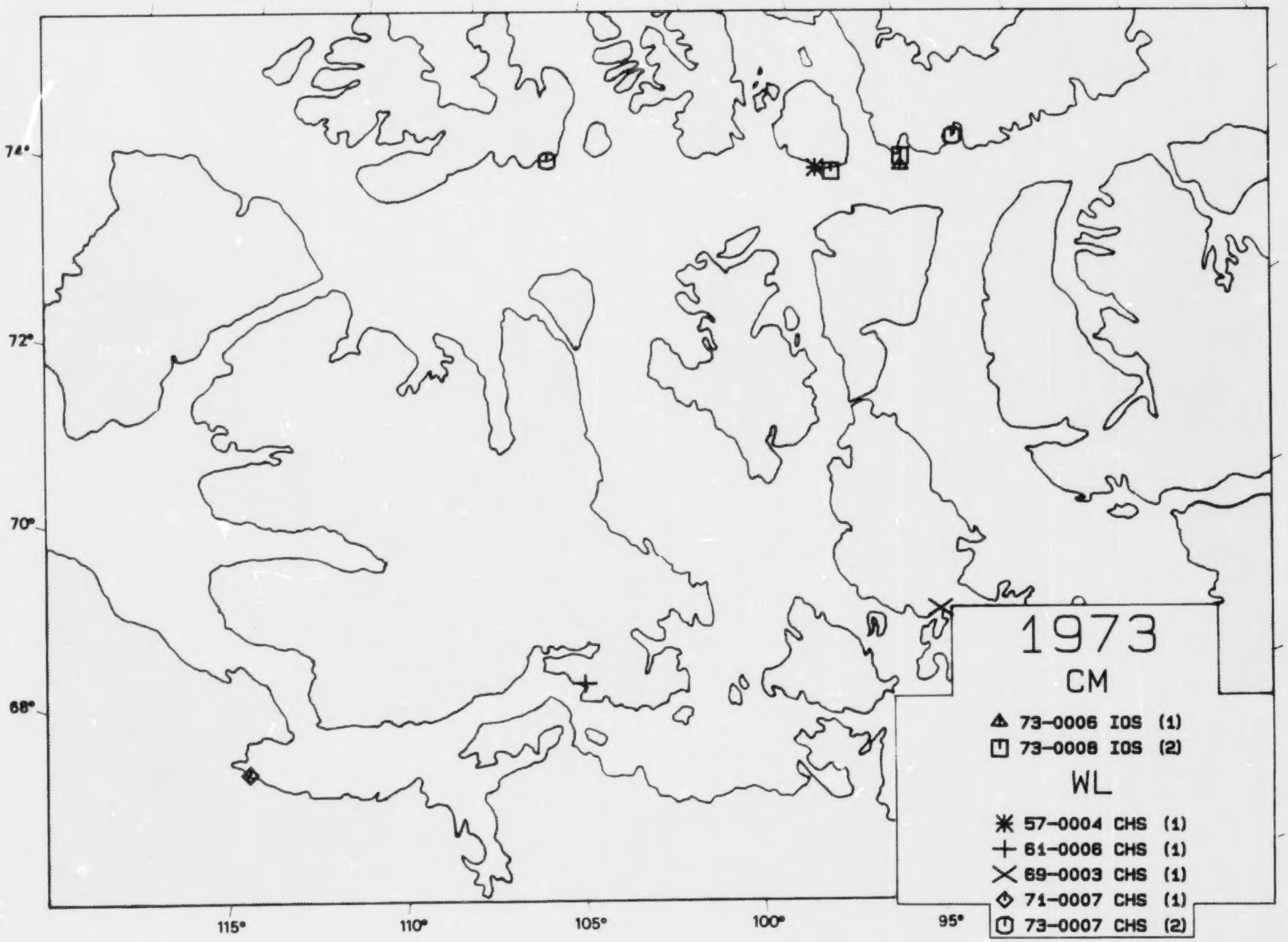
84°
88°
92°
96°
100°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1973
CM
△ 73-0006 IOS (1)
□ 73-0008 IOS (2)
WL
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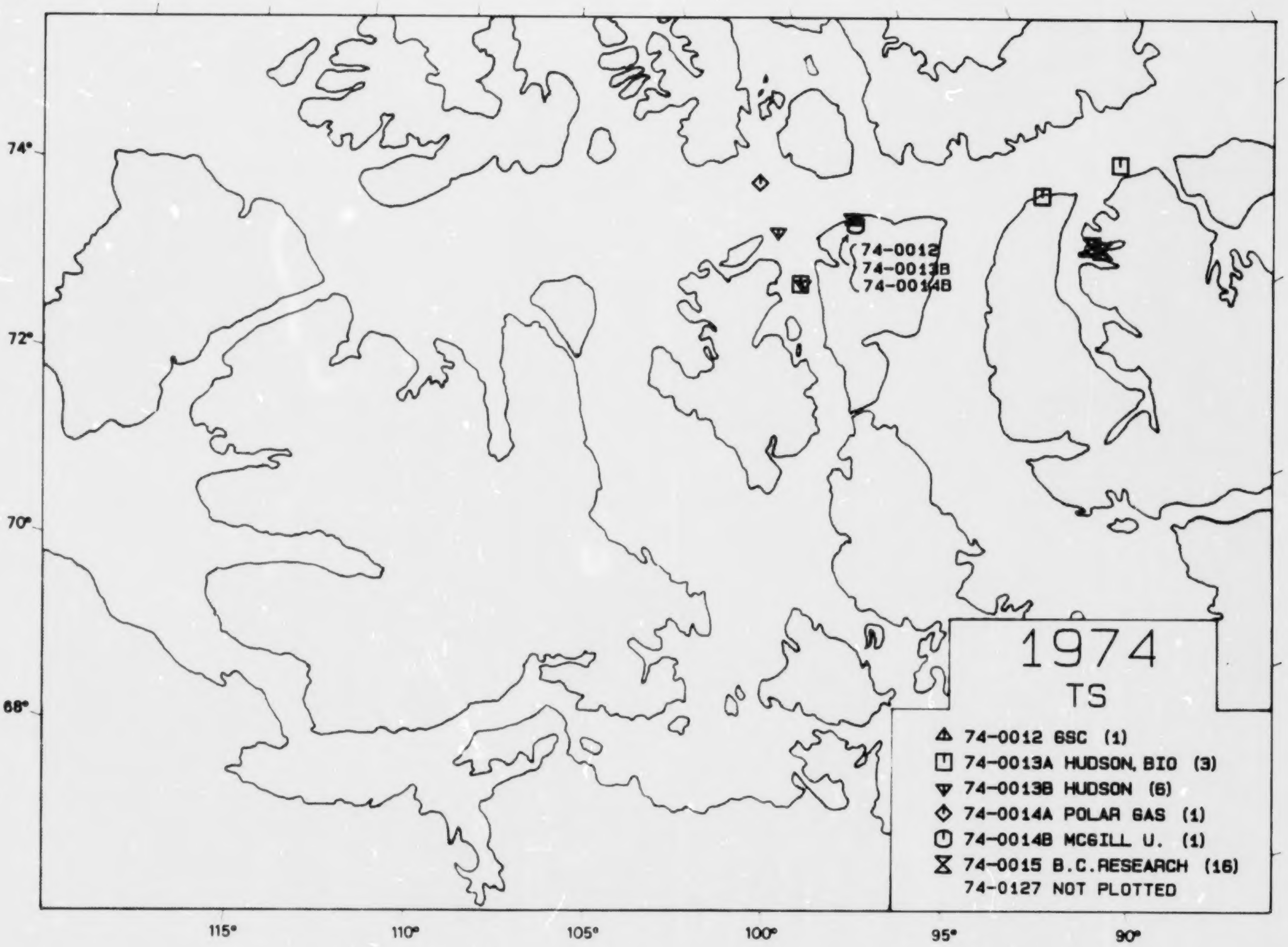
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
◇ 71-0007 CHS (1)
◯ 73-0007 CHS (2)


74-0012
74-0013B
74-0014B
1974
TS
△ 74-0012 GSC (1)
☐ 74-0013A HUDSON, BIO (3)
▽ 74-0013B HUDSON (6)
◇ 74-0014A POLAR GAS (1)
○ 74-0014B MCGILL U. (1)
⧗ 74-0015 B.C.RESEARCH (16)
74-0127 NOT PLOTTED
74°
72°
70°
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115°
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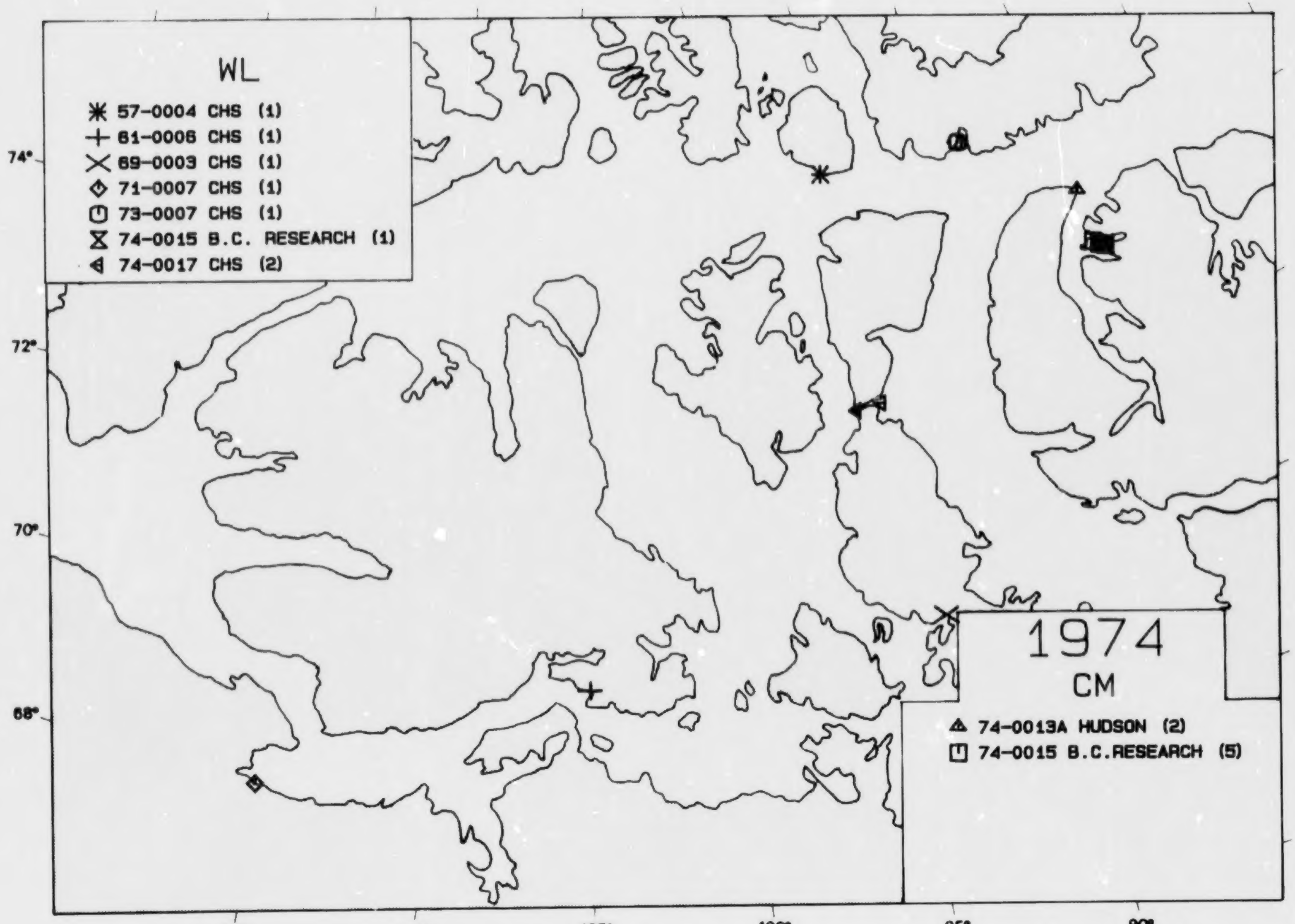
95°
90°


WL
57-0004 CHS (1)
61-0006 CHS (1)
69-0003 CHS (1)
71-0007 CHS (1)
73-0007 CHS (1)
74-0015 B.C. RESEARCH (1)
74-0017 CHS (2)
1974
CM
74-0013A HUDSON (2)
74-0015 B.C.RESEARCH (5)
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72°
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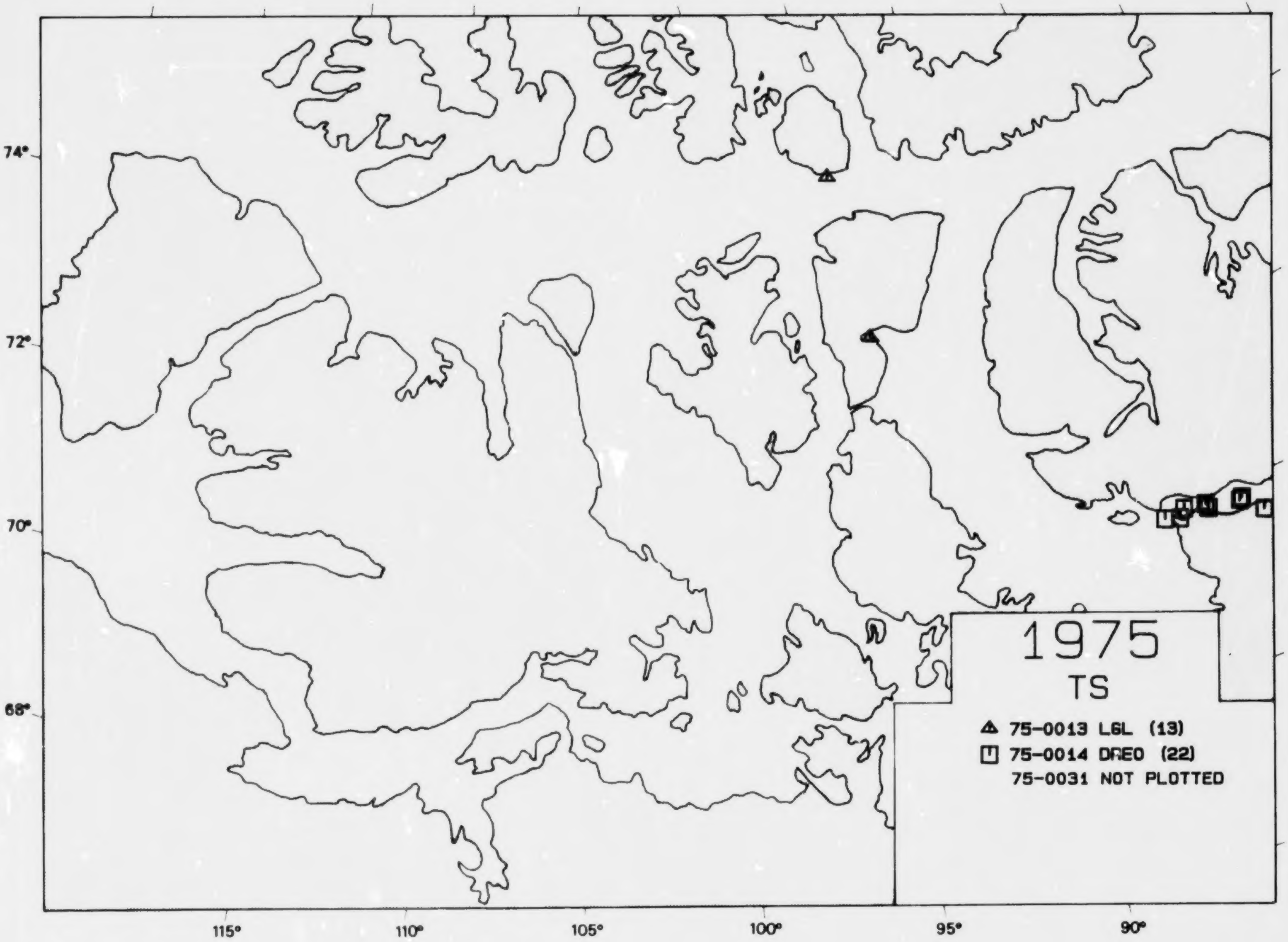
68°
115°
110°
105°
100°
95°
90°


1975
TS
△ 75-0013 LGL (13)
☐ 75-0014 DREO (22)
75-0031 NOT PLOTTED
74°
72°
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115°
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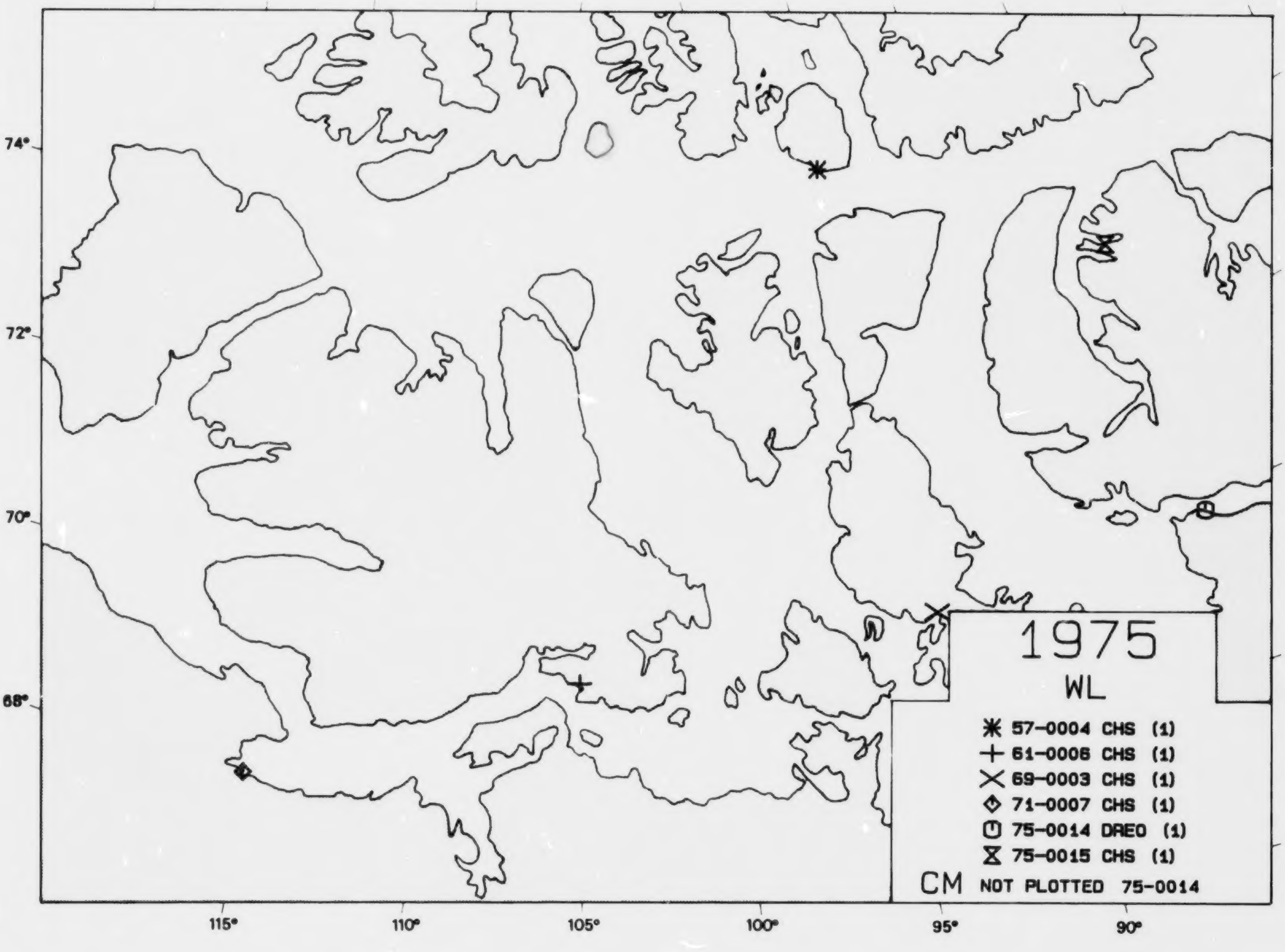
105°
100°
95°
90°


1975
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
◇ 71-0007 CHS (1)
Ⓞ 75-0014 DREO (1)
⧗ 75-0015 CHS (1)
CM NOT PLOTTED 75-0014
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72°
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115°
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100°
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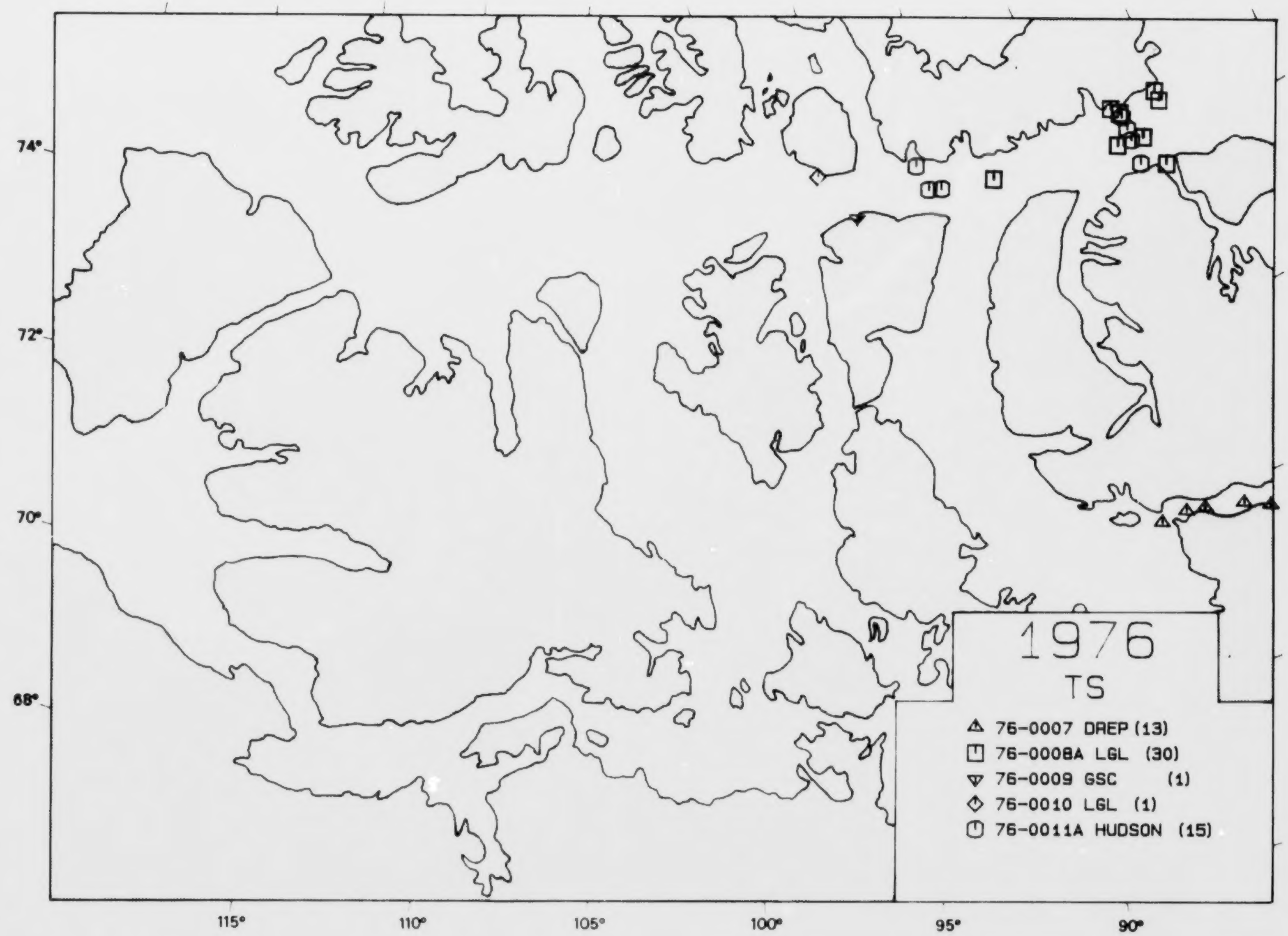
90°


1976
TS
△ 76-0007 DREP (13)
☐ 76-0008A LGL (30)
▽ 76-0009 GSC (1)
◇ 76-0010 LGL (1)
○ 76-0011A HUDSON (15)
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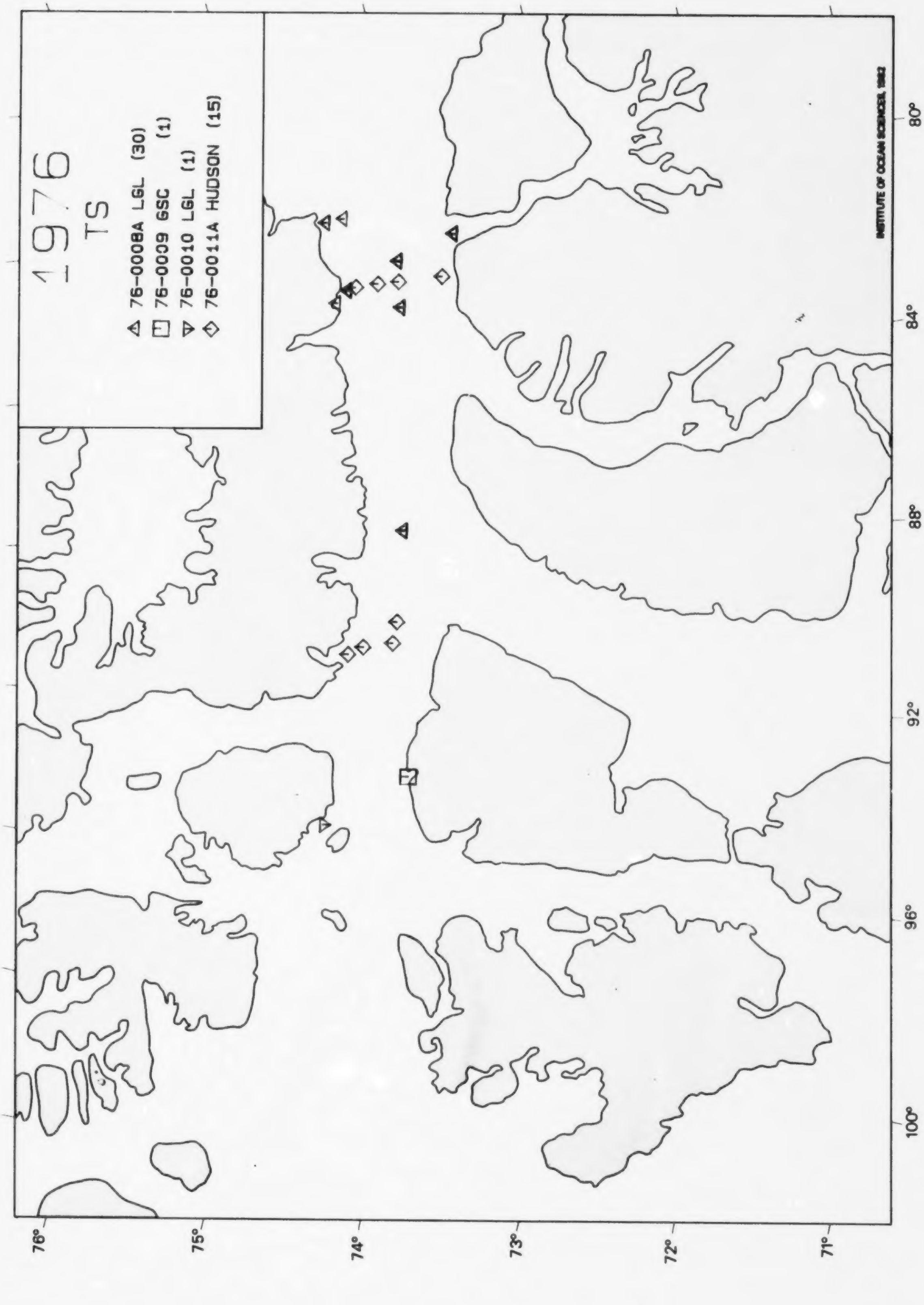
90°


1976
TS
△ 76-0008A LGL (30)
☐ 76-0009 GSC (1)
▽ 76-0010 LGL (1)
◇ 76-0011A HUDSON (15)
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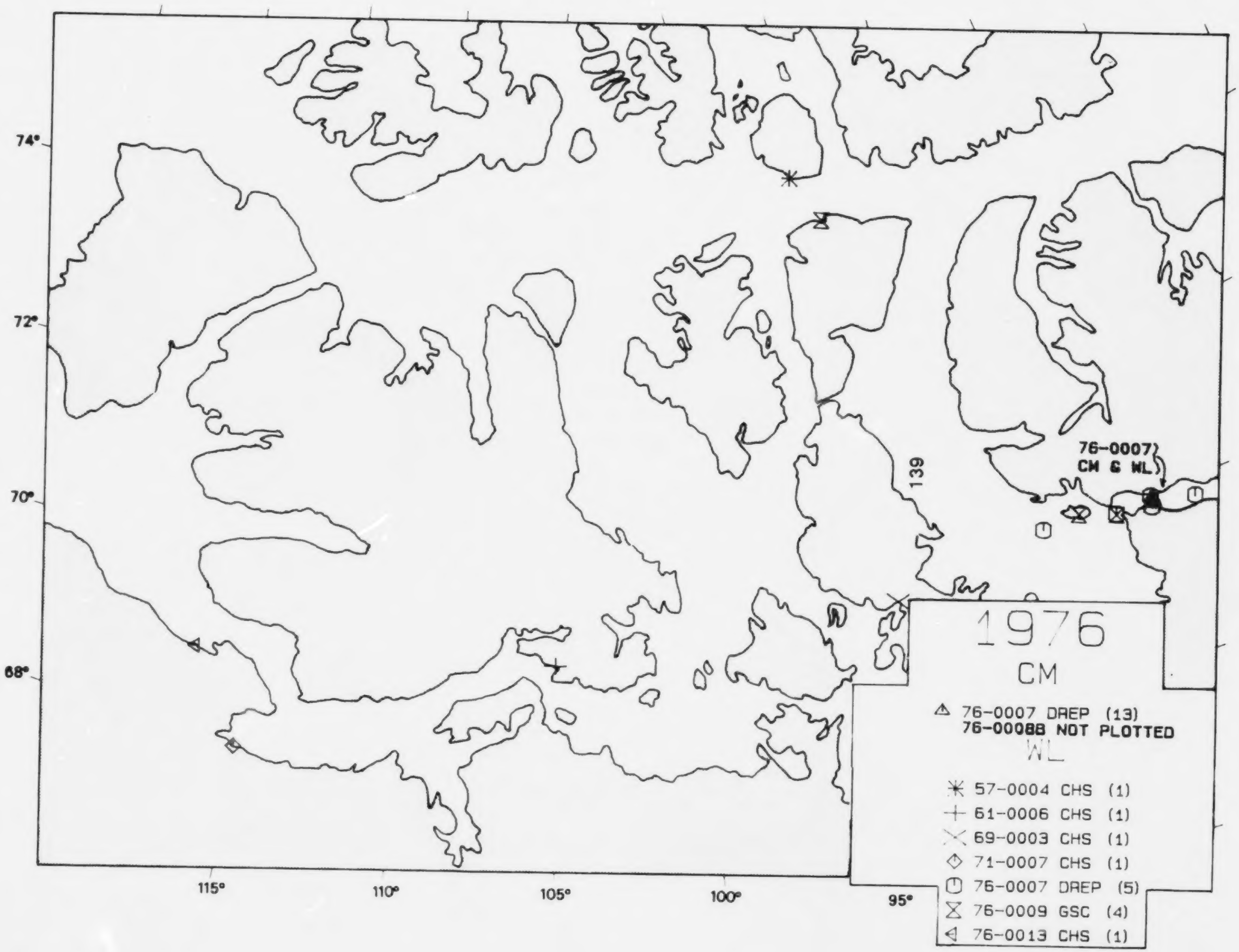
INSTITUTE OF OCEAN SCIENCES, 1982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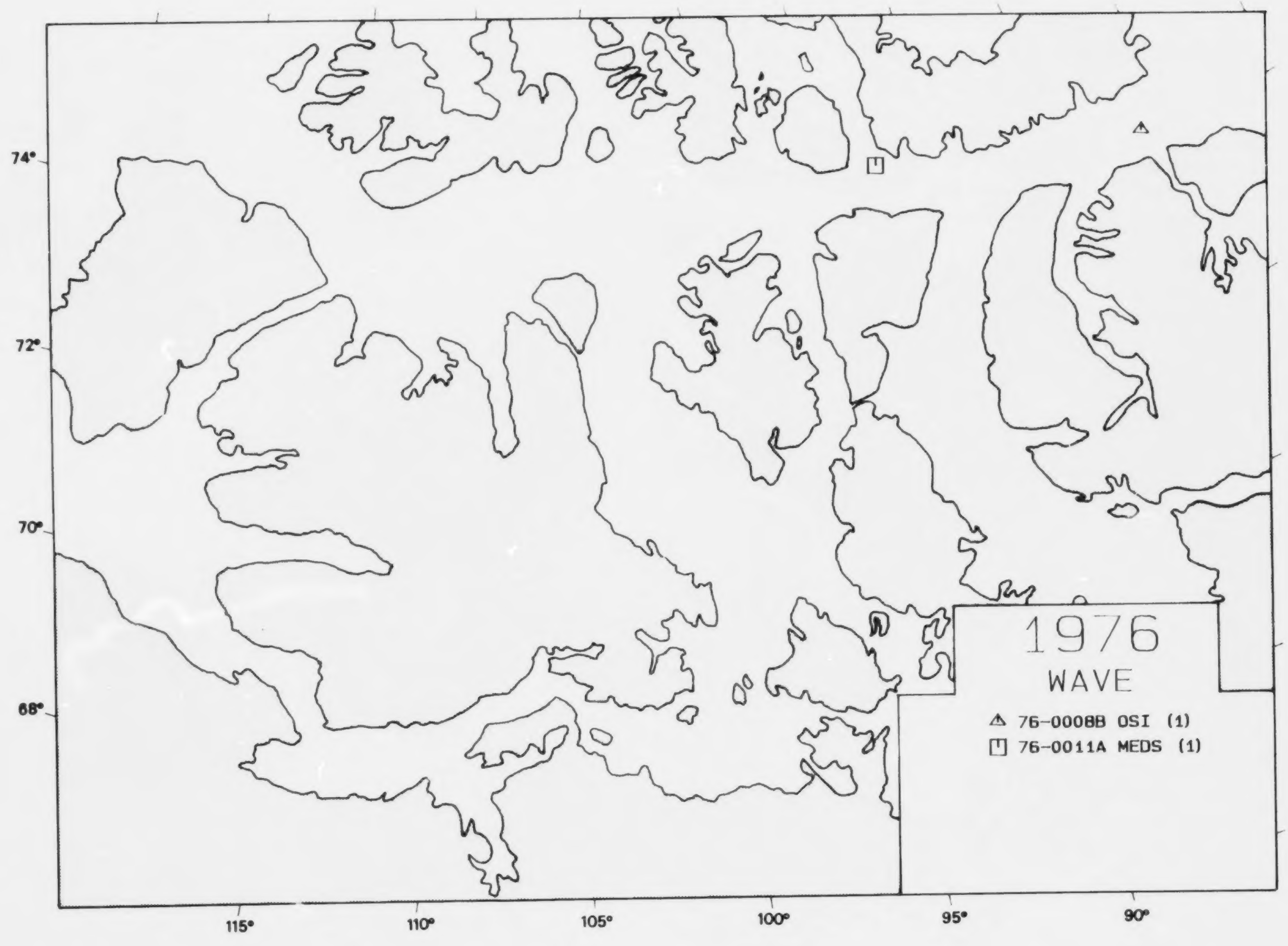
100°
95°
139
76-0007
CM & WL
1976
CM
△ 76-0007 DREP (13)
76-00088 NOT PLOTTED
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
◇ 71-0007 CHS (1)
◯ 76-0007 DREP (5)
⧖ 76-0009 GSC (4)
◁ 76-0013 CHS (1)


1976
WAVE
△ 76-0008B OSI (1)
◻ 76-0011A MEDS (1)
74°
72°
70°
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115°
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100°
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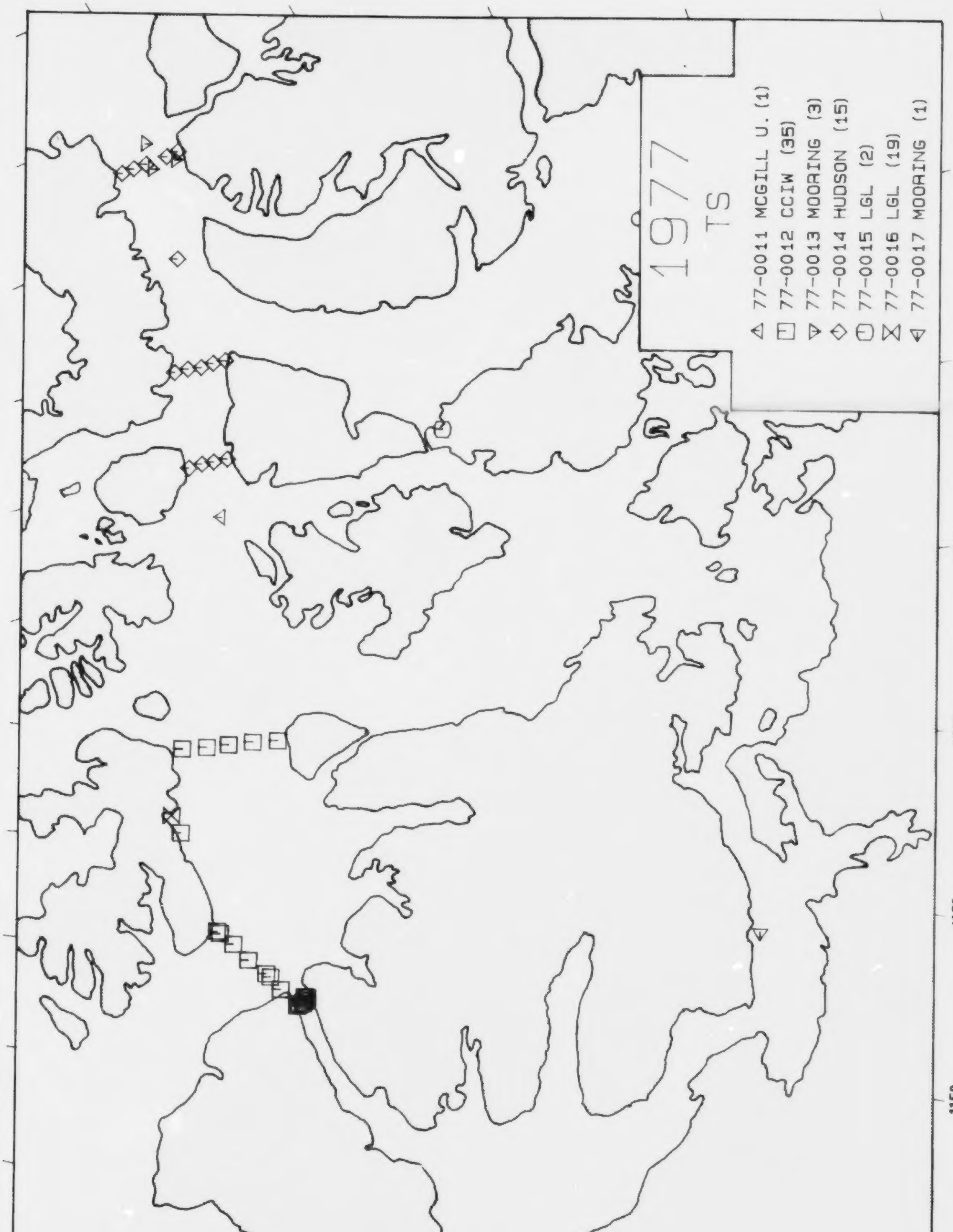
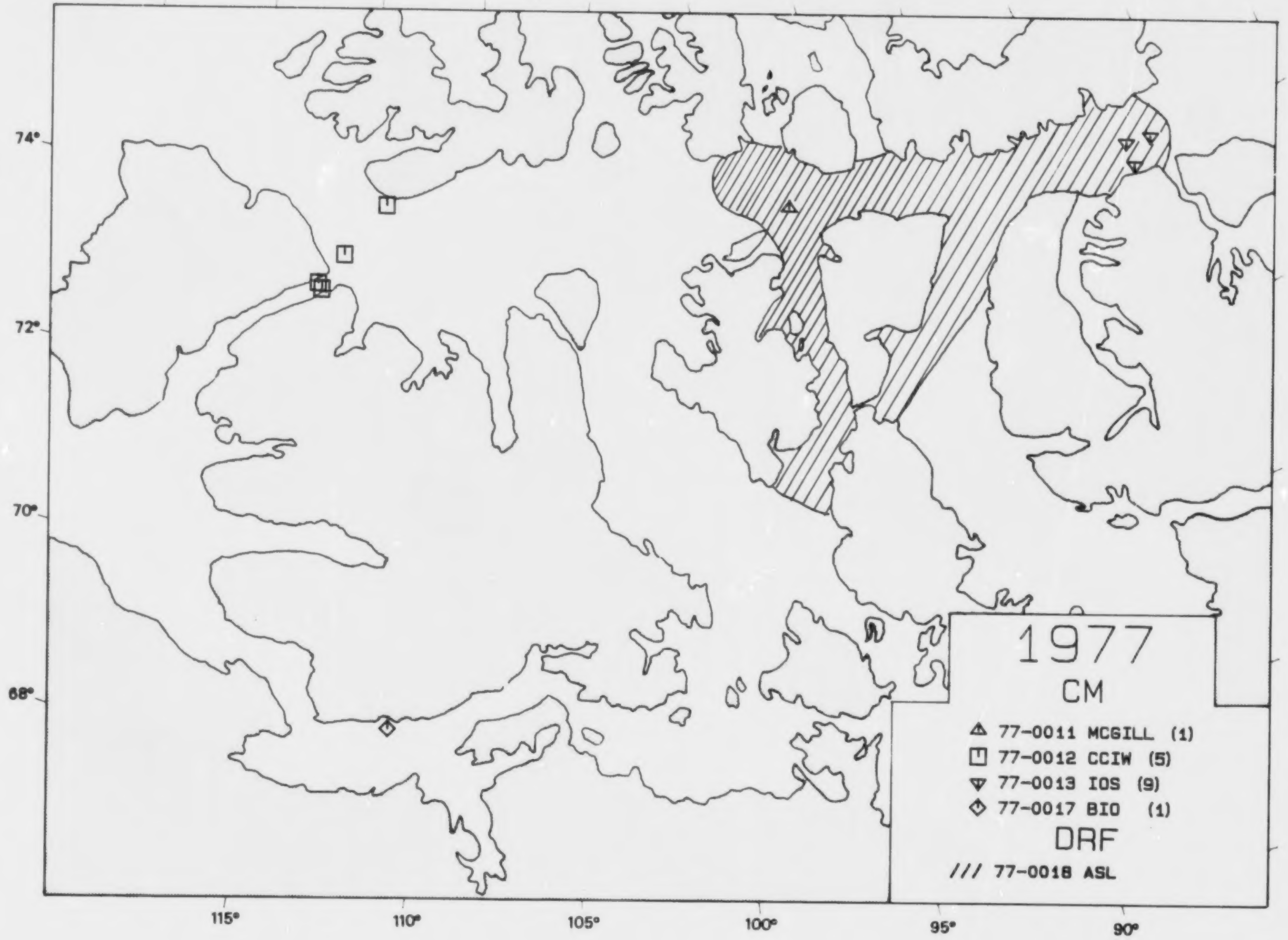
90°


1977
TS
△ 77-0011 MCGILL U. (1)
□ 77-0012 CCIW (35)
▽ 77-0013 MOORING (3)
◇ 77-0014 HUDSON (15)
○ 77-0015 LGL (2)
⧗ 77-0016 LGL (19)
◁ 77-0017 MOORING (1)
90°
95°
100°
105°
110°
115°
74°
72°
70°
68°


74°
72°
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95°
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1977
CM
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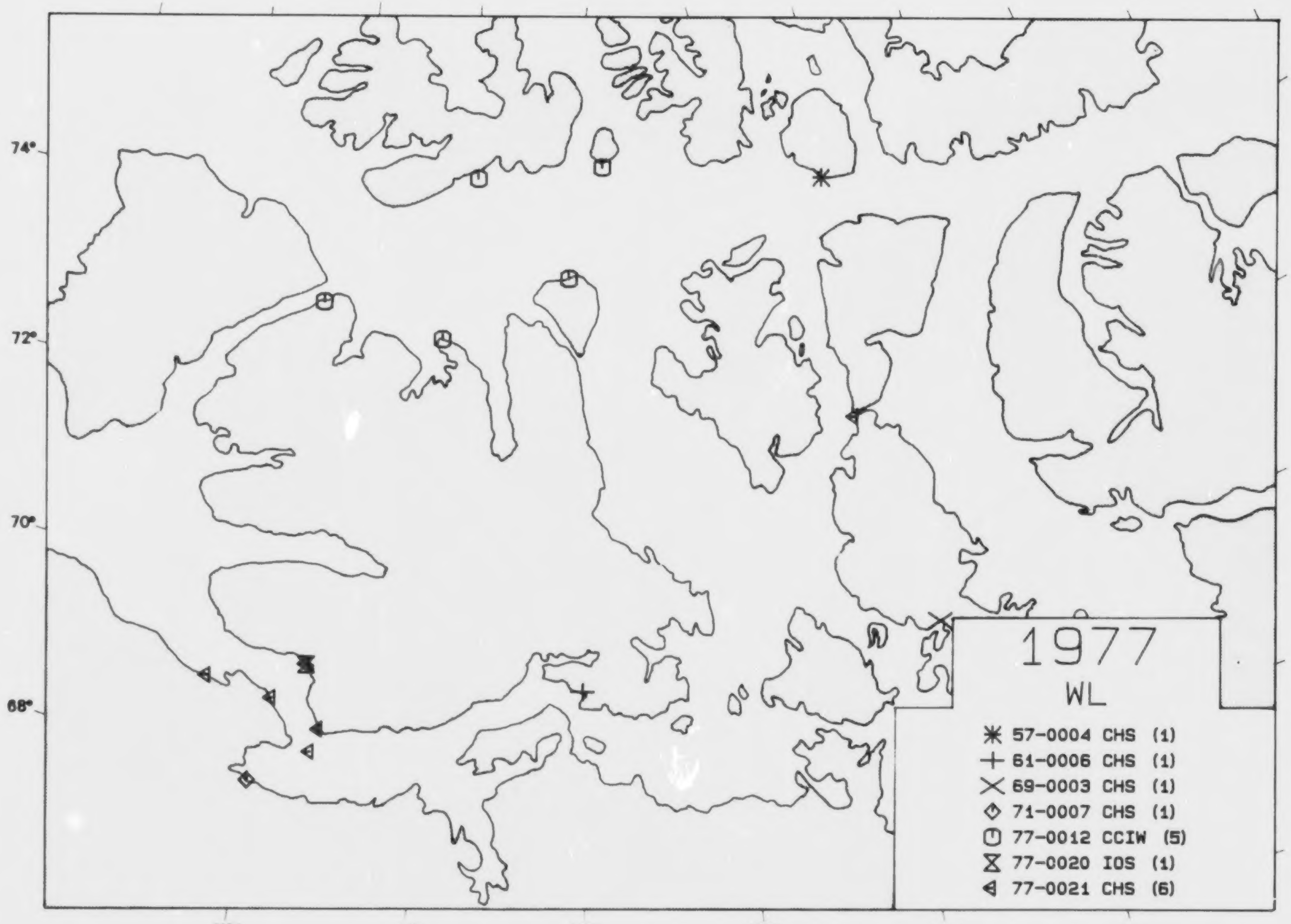
☐ 77-0012 CCIW (5)
▽ 77-0013 IOS (9)
◇ 77-0017 BIO (1)
DRF
/// 77-0018 ASL


1977
WL
✳ 57-0004 CHS (1)
+ 61-0006 CHS (1)
× 69-0003 CHS (1)
◇ 71-0007 CHS (1)
▢ 77-0012 CCIW (5)
⧖ 77-0020 IOS (1)
◁ 77-0021 CHS (6)
74°
72°
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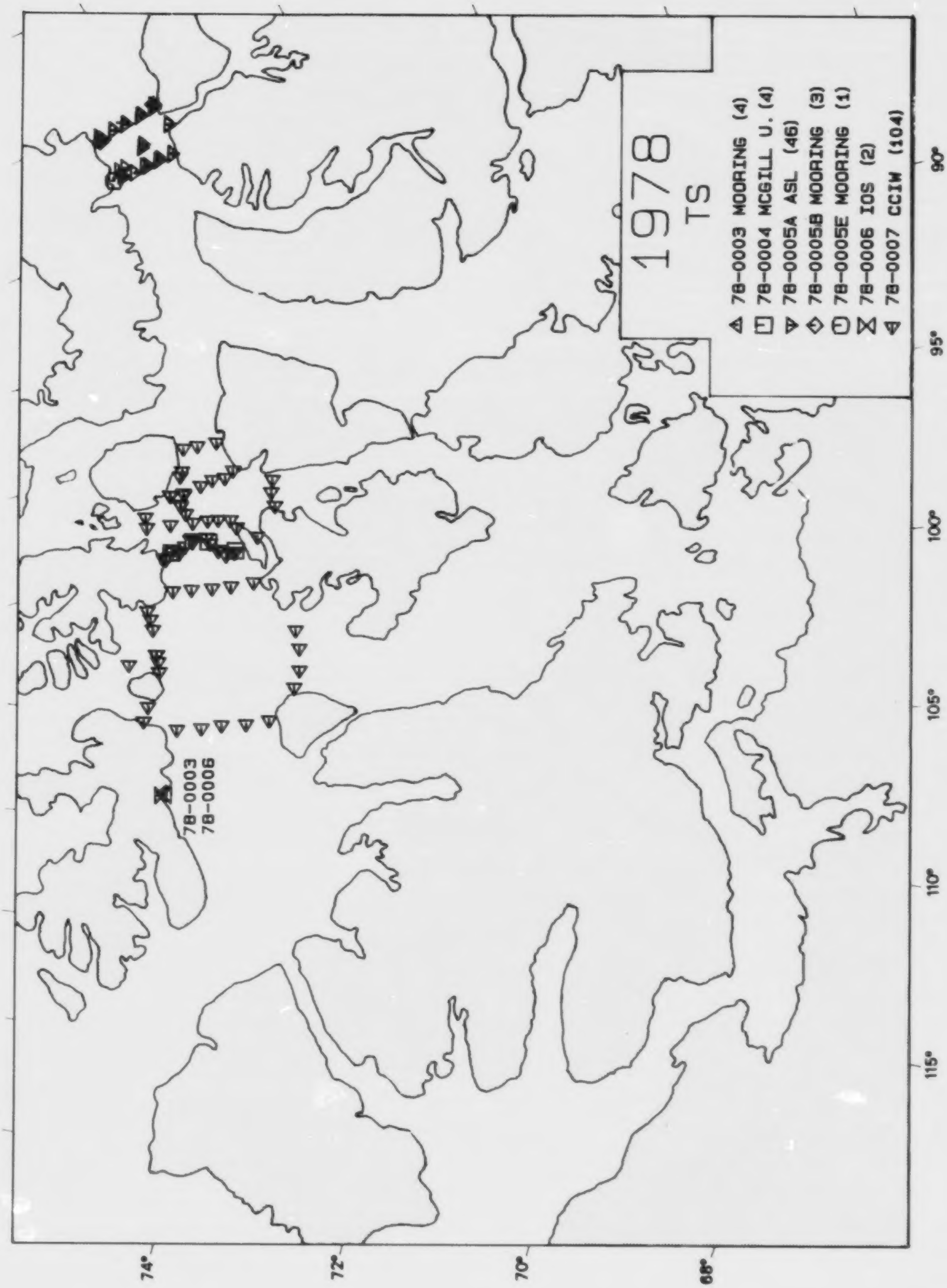
90°


1978
TS
△ 78-0003 MOORING (4)
□ 78-0004 MCGILL U. (4)
▽ 78-0005A ASL (46)
◇ 78-0005B MOORING (3)
○ 78-0005E MOORING (1)
⧖ 78-0006 IOS (2)
◁ 78-0007 CCIW (104)
78-0003
78-0006
74°
72°
70°
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90°
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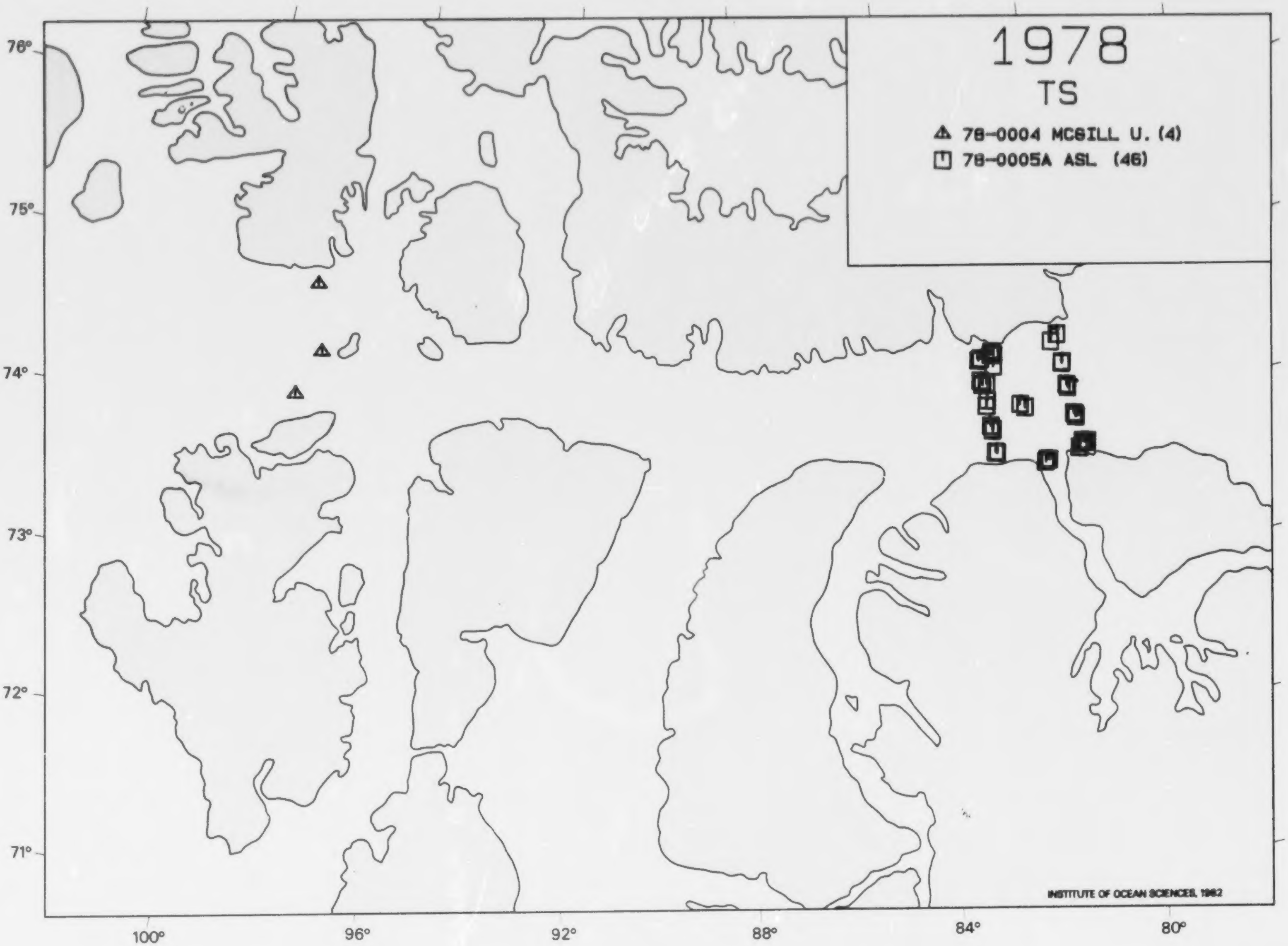
1978
TS
△ 78-0004 MCGILL U. (4)
☐ 78-0005A ASL (46)
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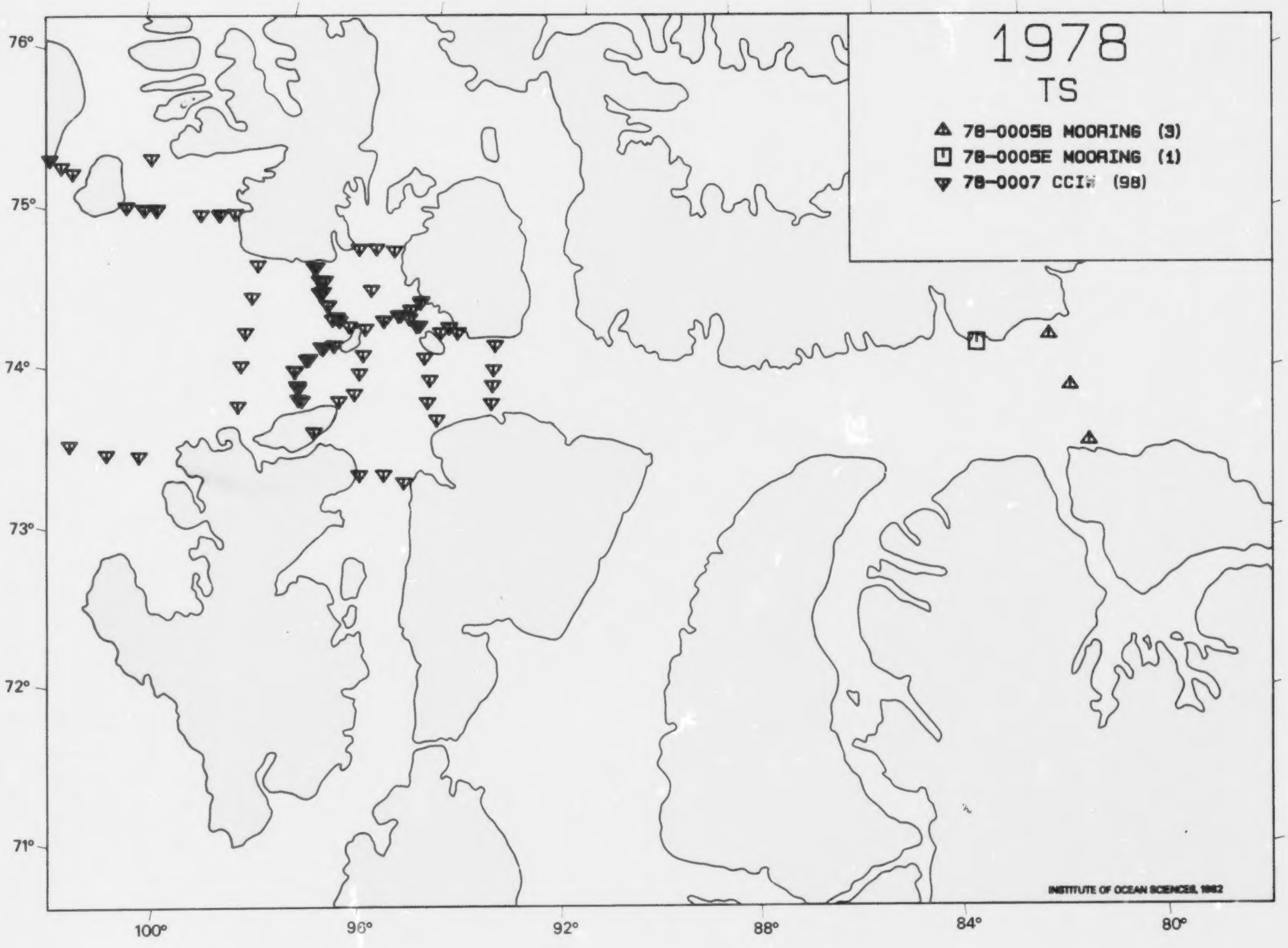
INSTITUTE OF OCEAN SCIENCES, 1982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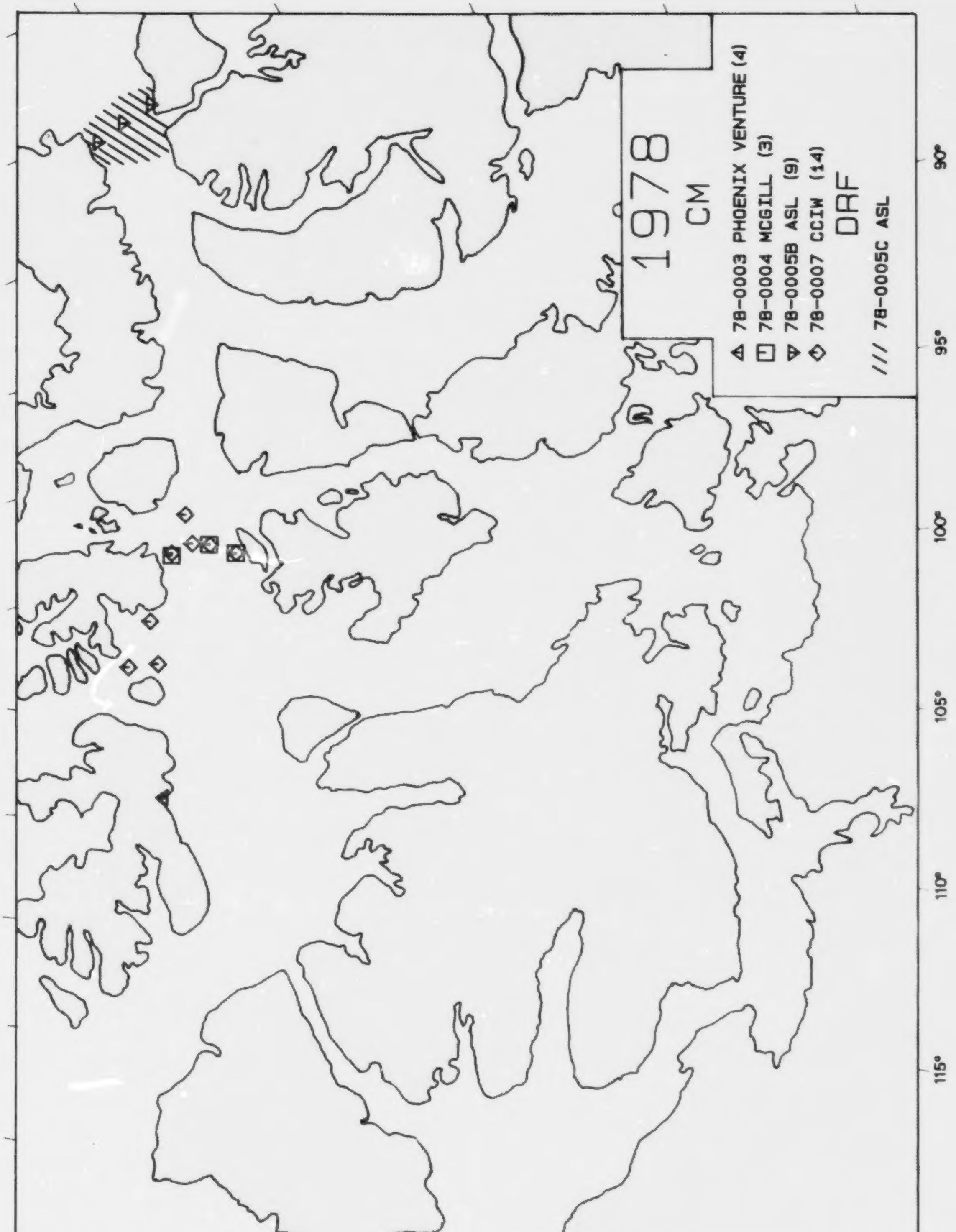
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CM
DRF
△ 78-0003 PHOENIX VENTURE (4)
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/// 78-0005C ASL
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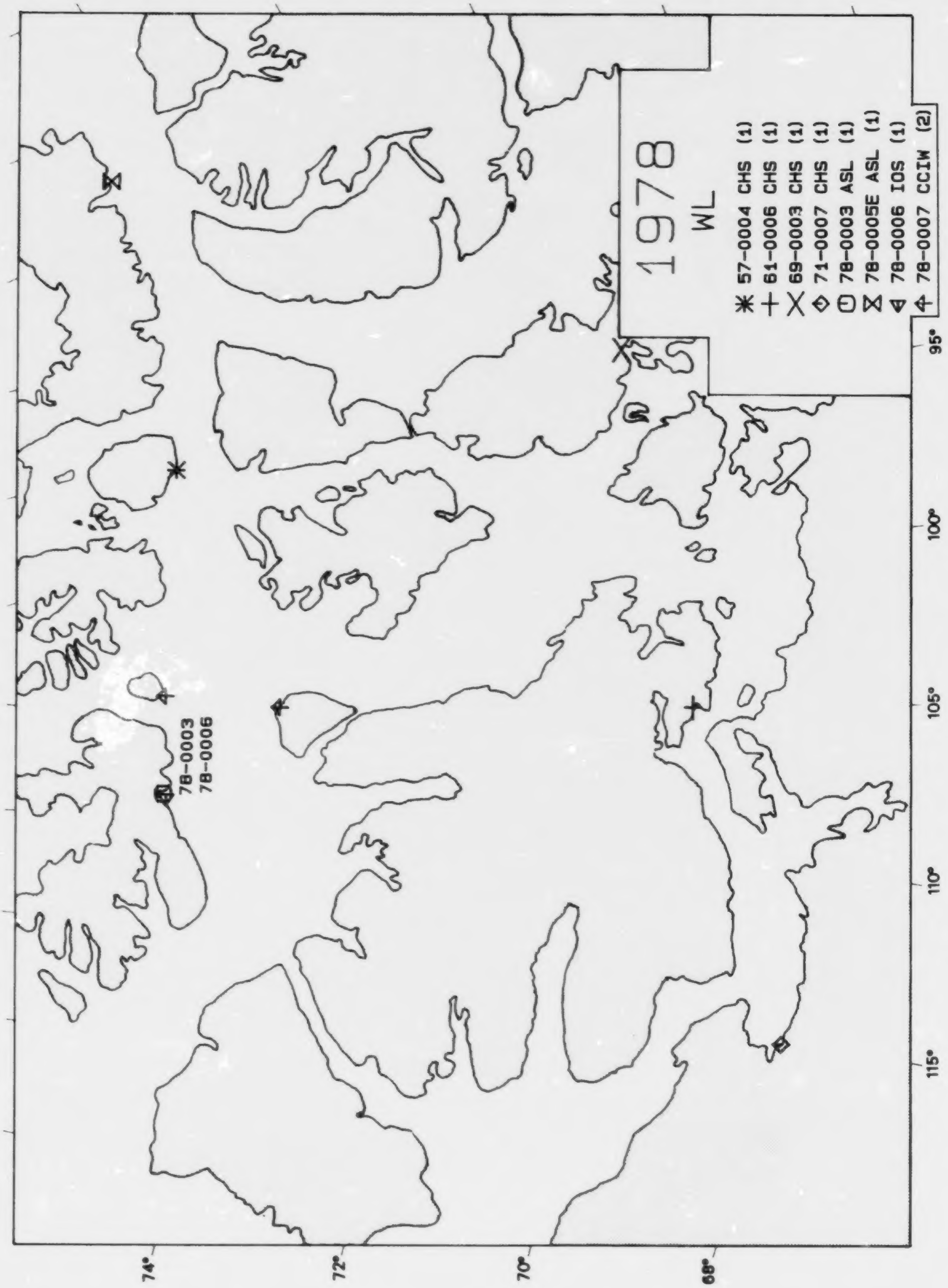
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71-0007 CHS (1)
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78-0006 IOS (1)
78-0007 CCIW (2)
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78-0006
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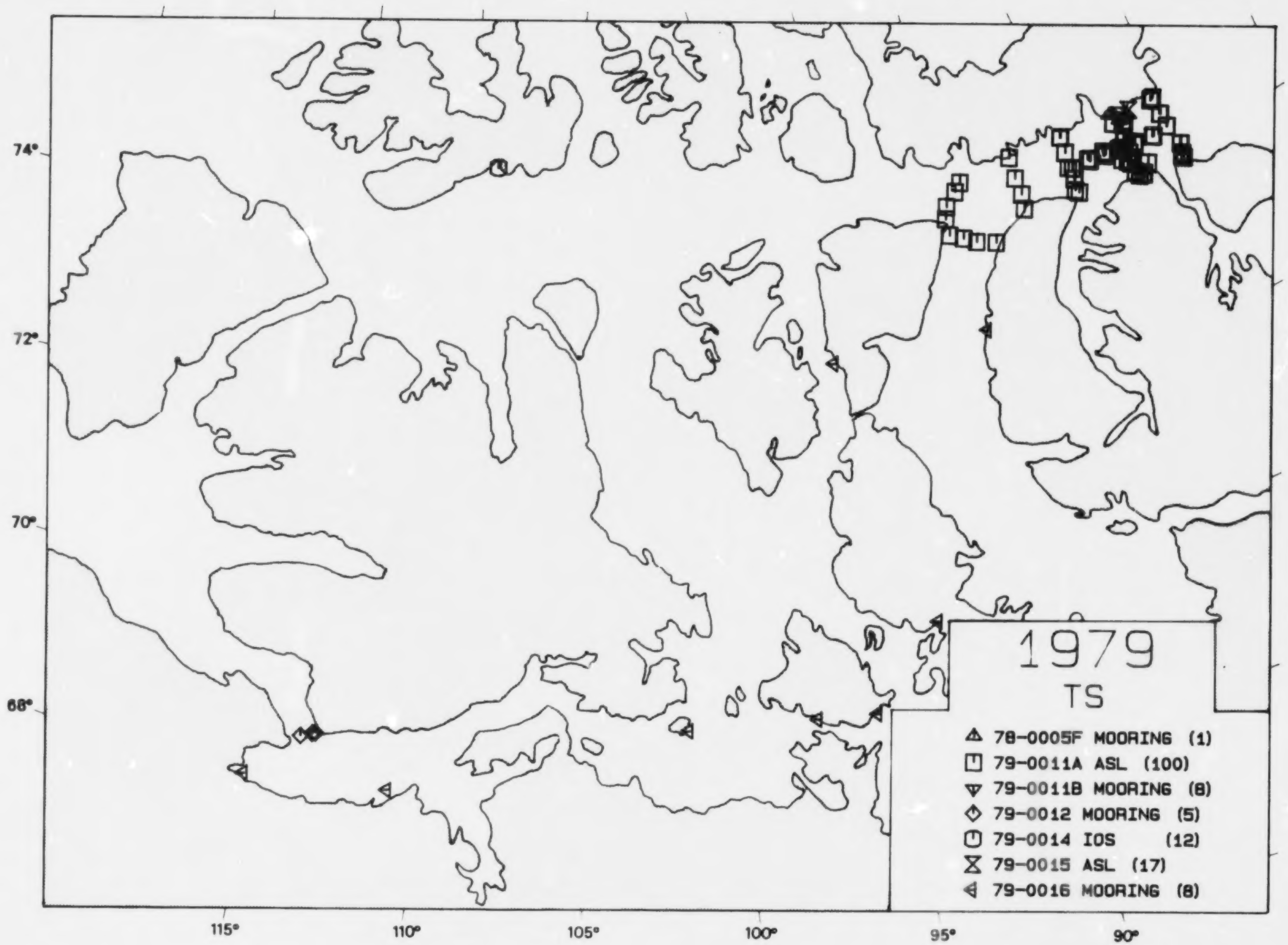
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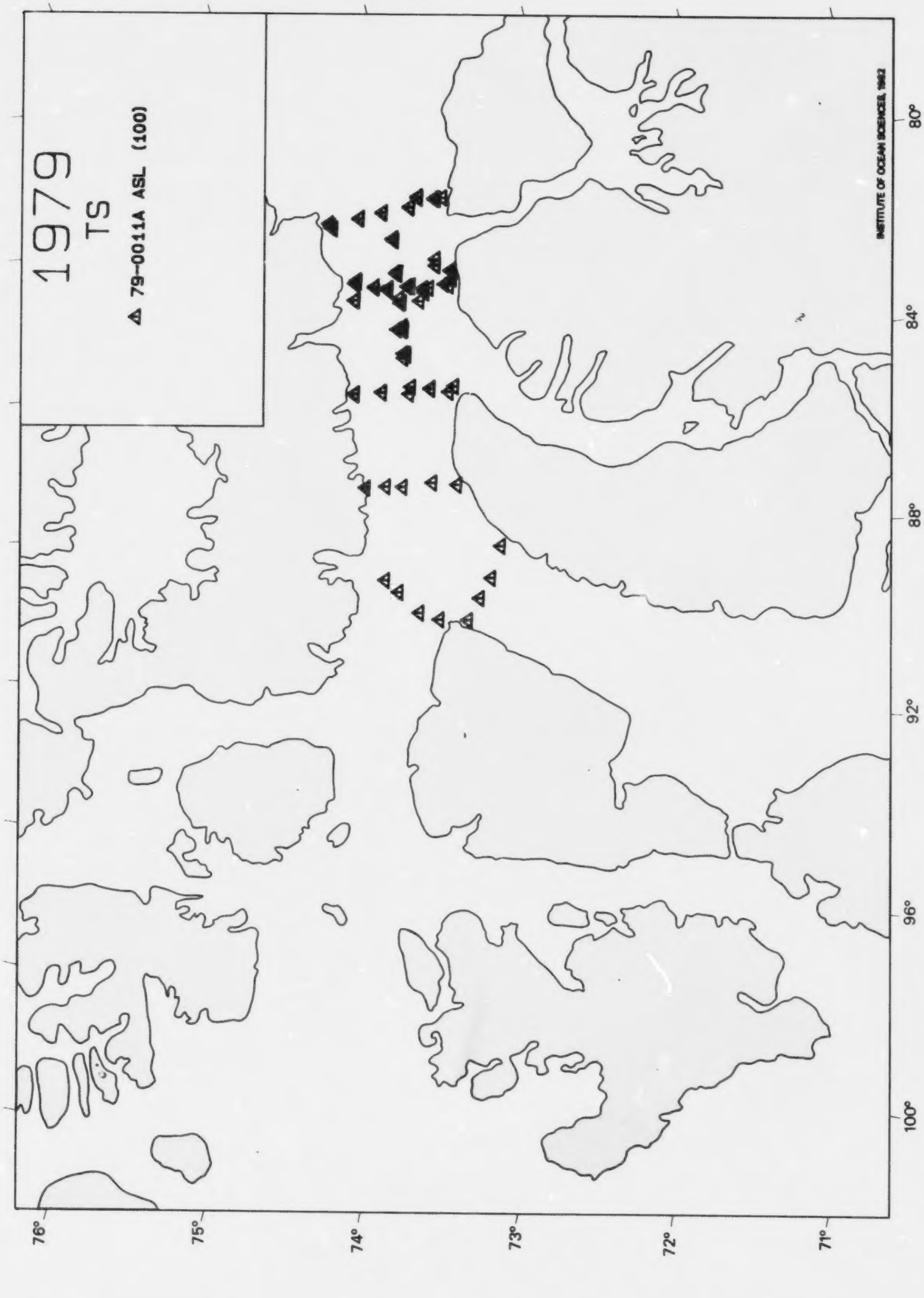
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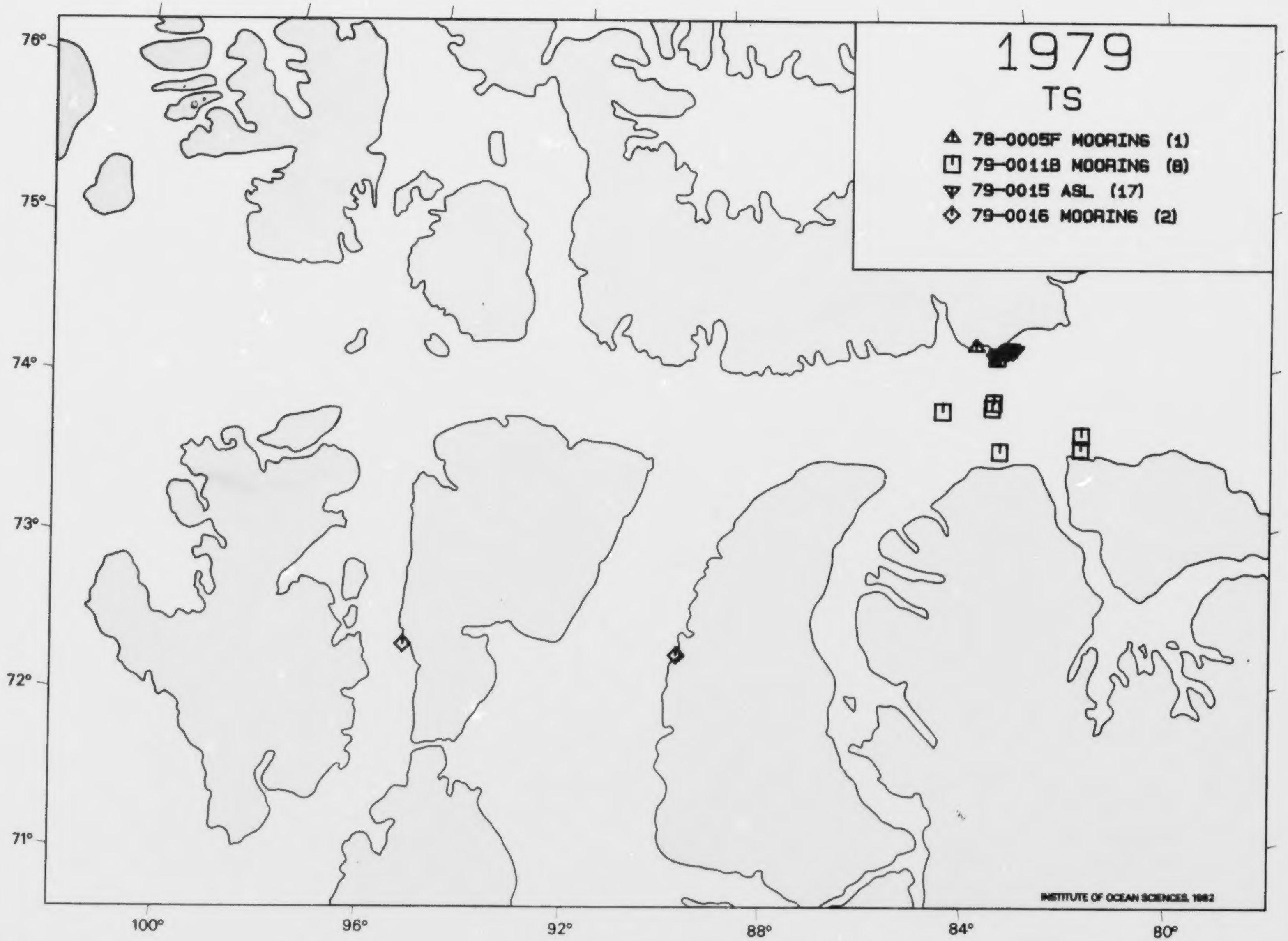
INSTITUTE OF OCEAN SCIENCES, 1982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▼ 79-0015 ASL (17)
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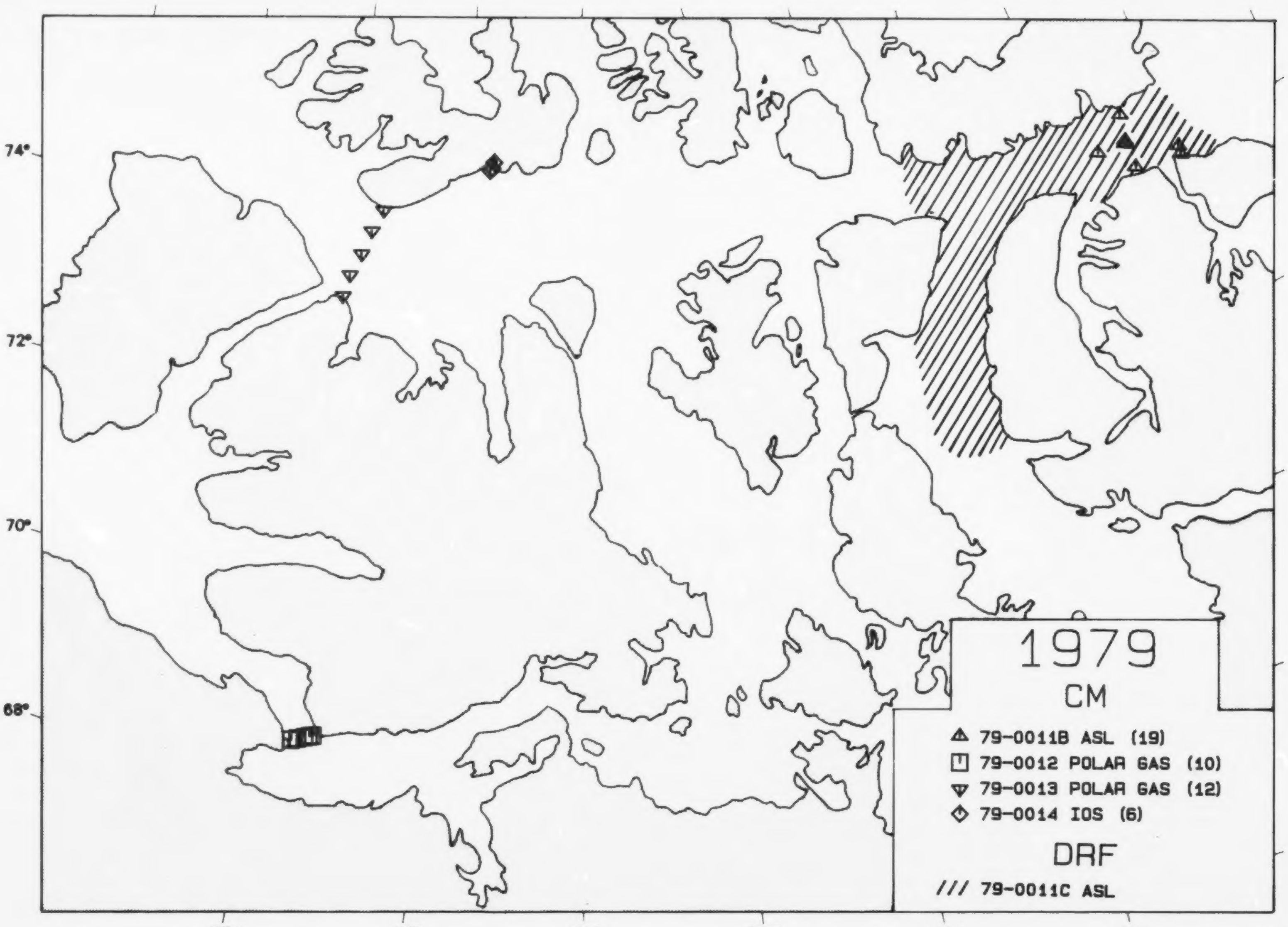
INSTITUTE OF OCEAN SCIENCES, 1982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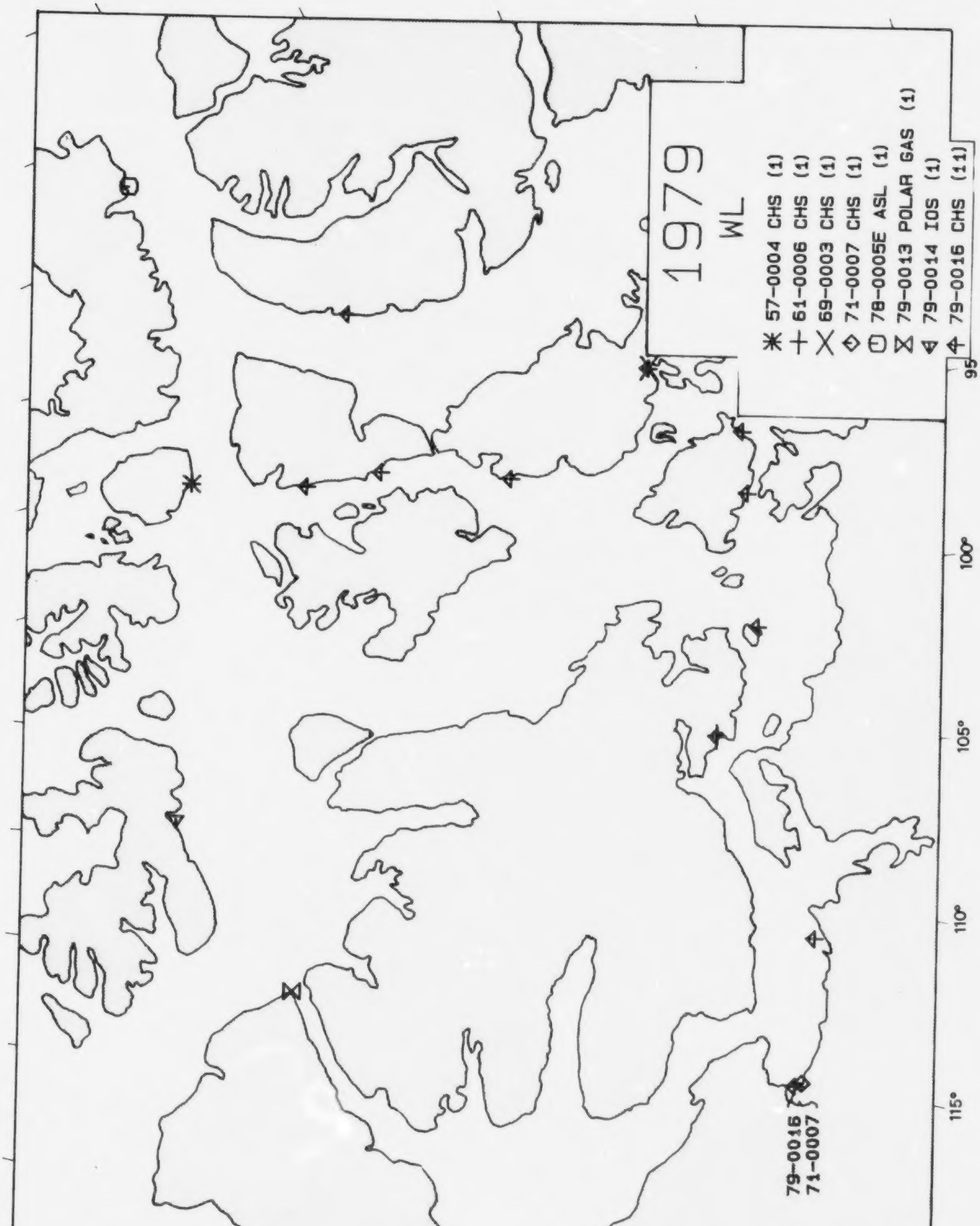
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⌼ 78-0005E ASL (1)
⧖ 79-0013 POLAR GAS (1)
◁ 79-0014 IOS (1)
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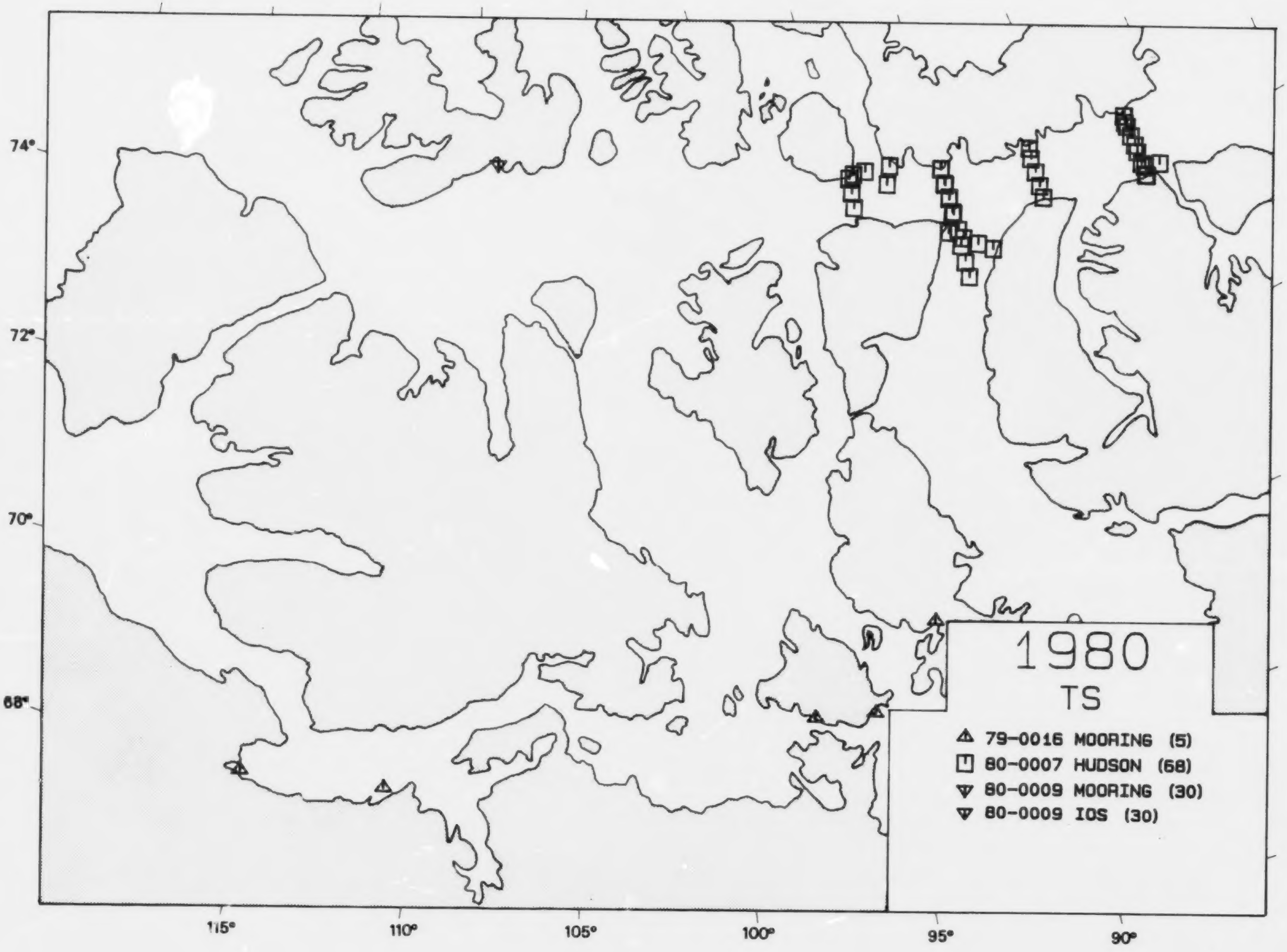
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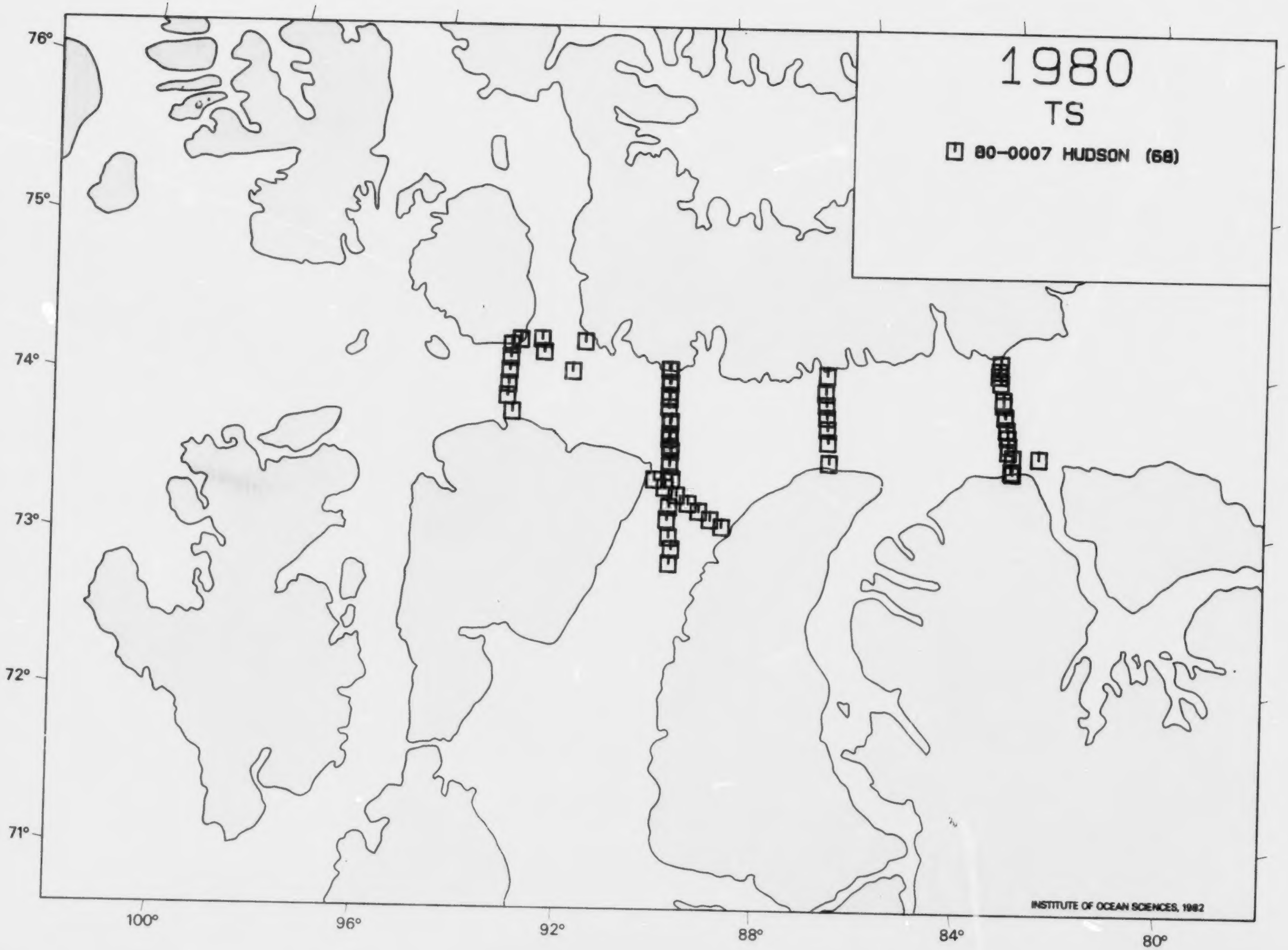
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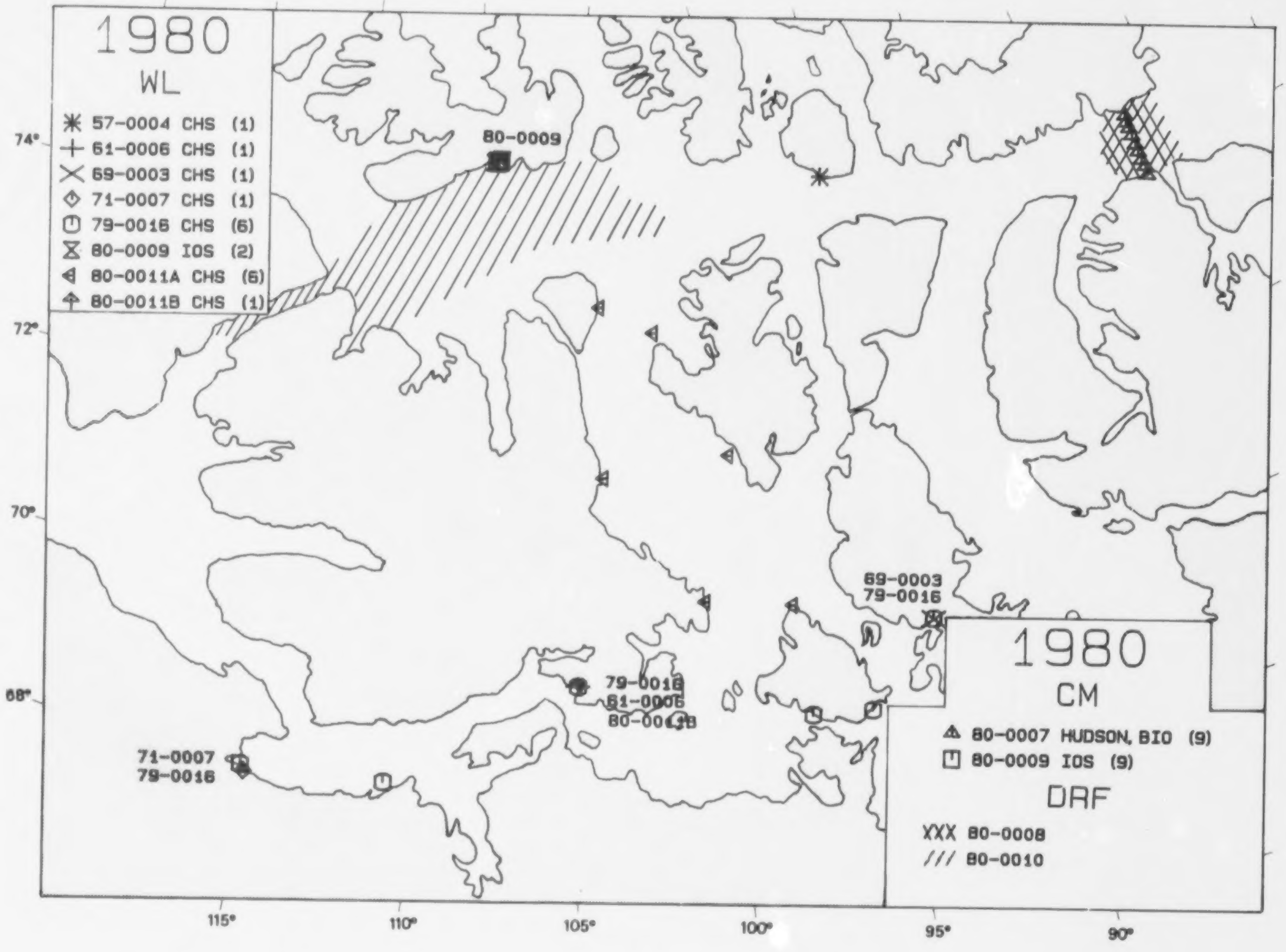
INSTITUTE OF OCEAN SCIENCES, 1982


1980
WL
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✕ 69-0003 CHS (1)
◇ 71-0007 CHS (1)
⏀ 79-0016 CHS (6)
⧗ 80-0009 IOS (2)
◁ 80-0011A CHS (6)
↑ 80-0011B CHS (1)
1980
CM
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☐ 80-0009 IOS (9)
DRF
XXX 80-0008
/// 80-0010
80-0009
69-0003
79-0016
79-0016
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79-0016
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70°
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115°
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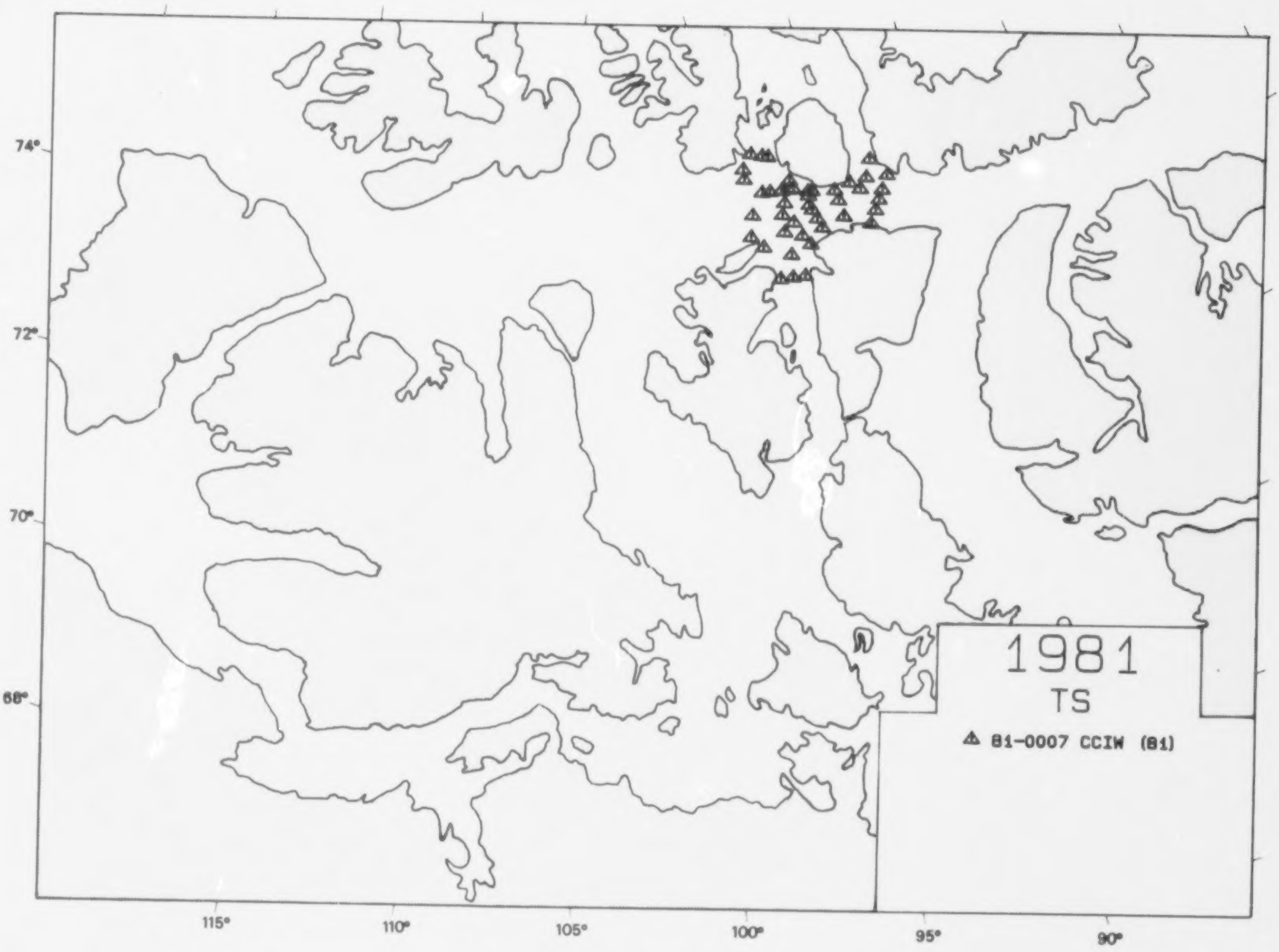
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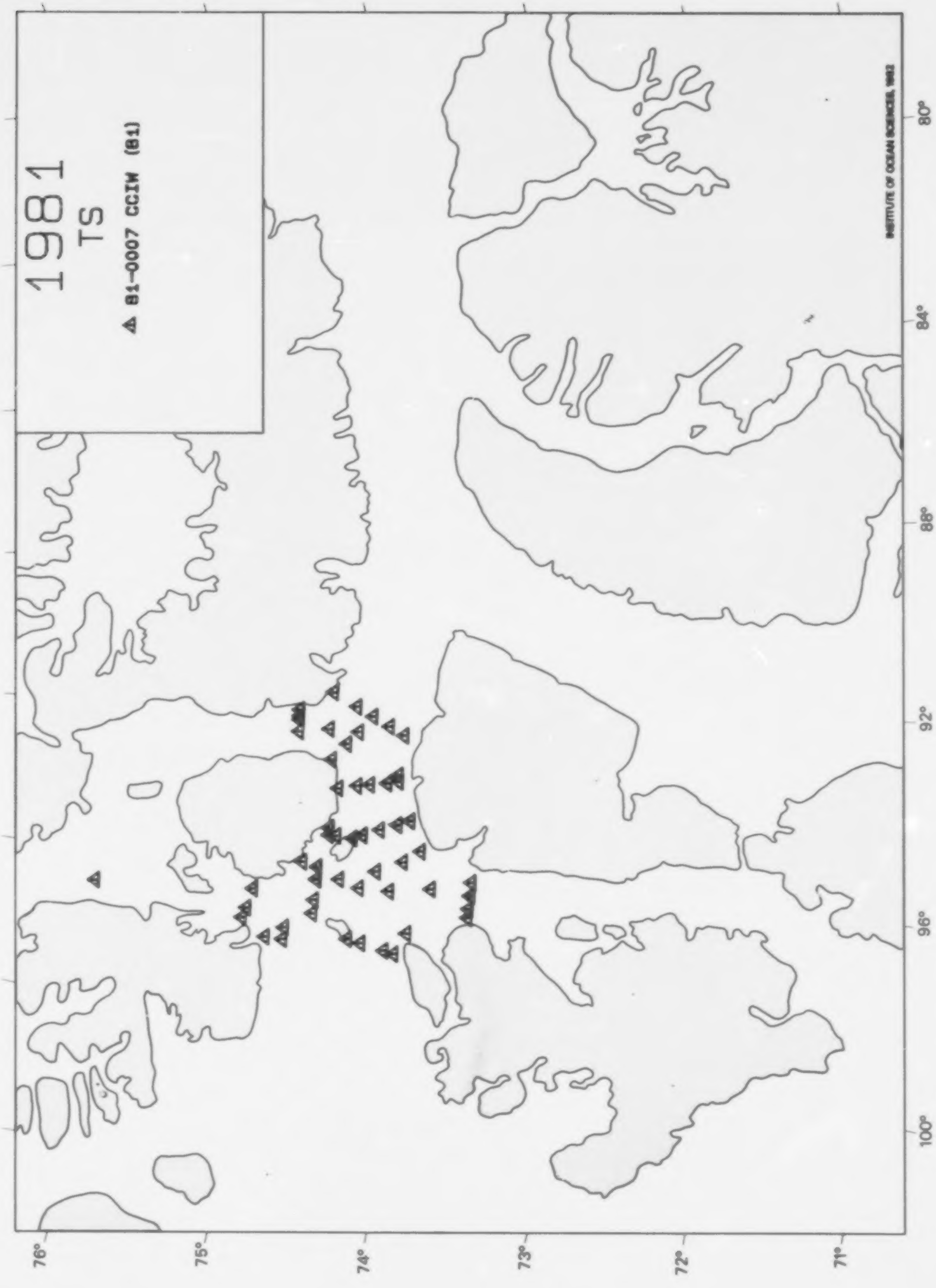
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▲ 81-0007 CCIW (81)
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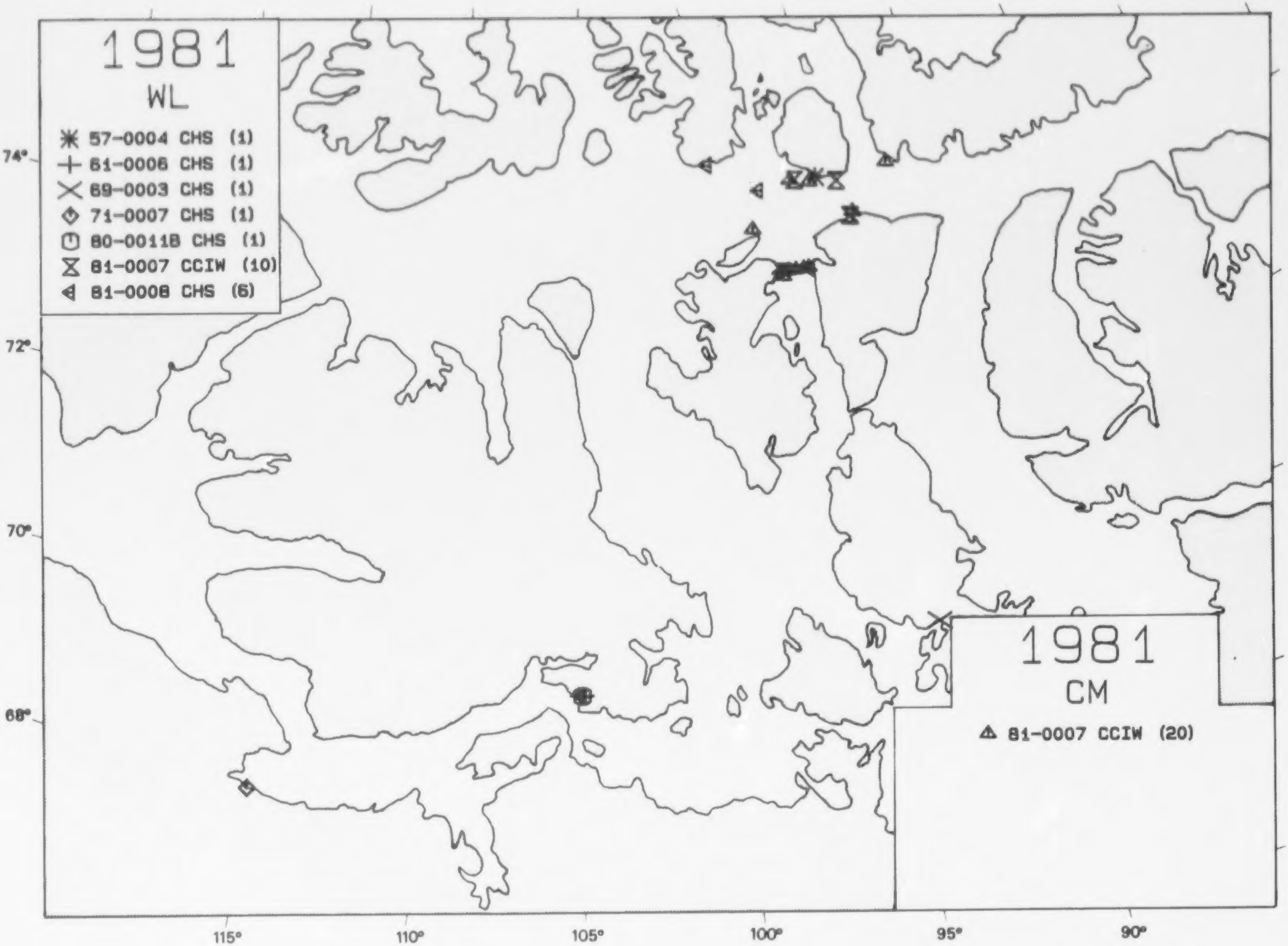
INSTITUTE OF OCEAN SCIENCES, 1982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× 69-0003 CHS (1)
◇ 71-0007 CHS (1)
⊙ 80-0011B CHS (1)
⧖ 81-0007 CCIW (10)
◁ 81-0008 CHS (6)
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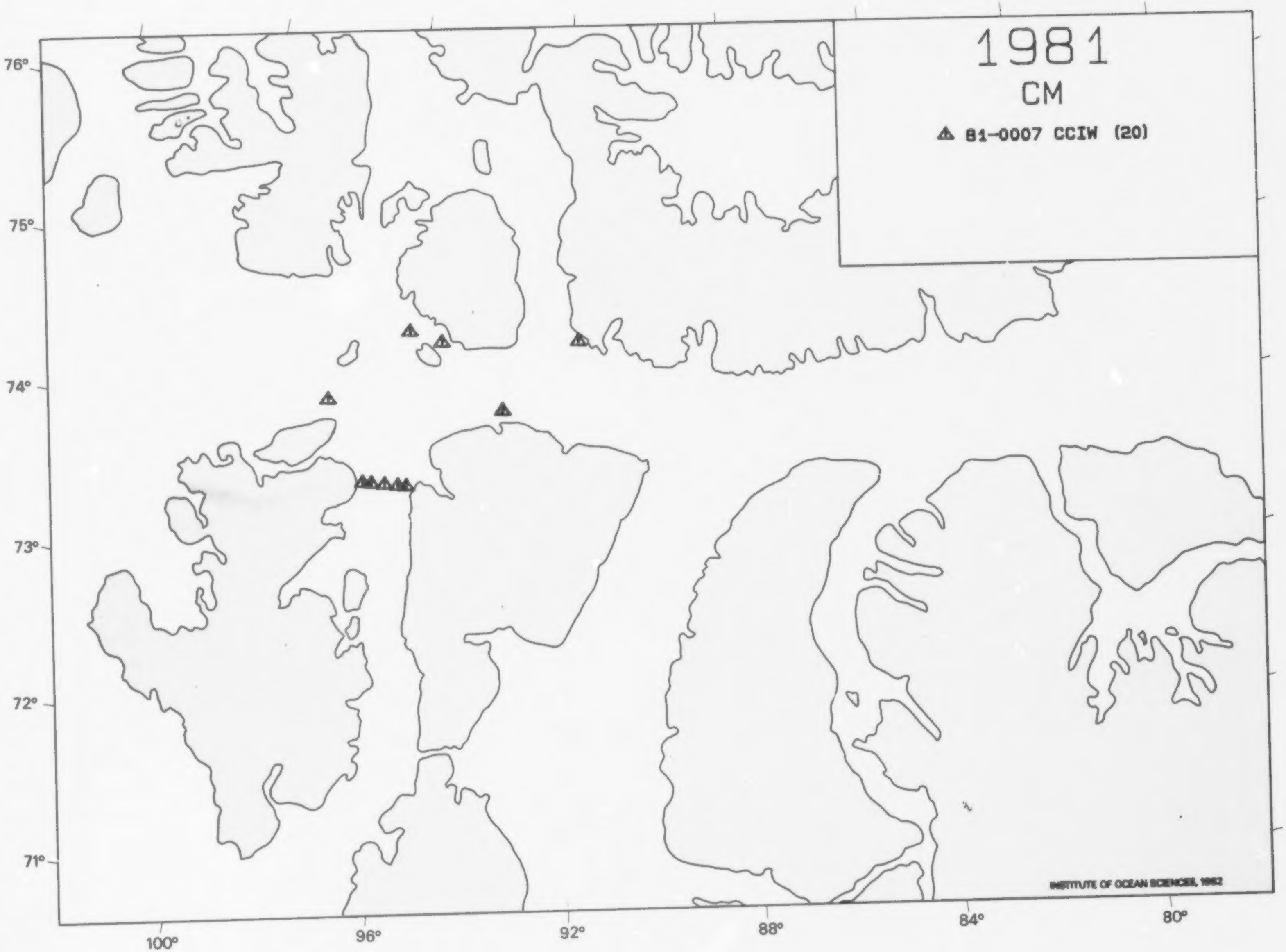
90°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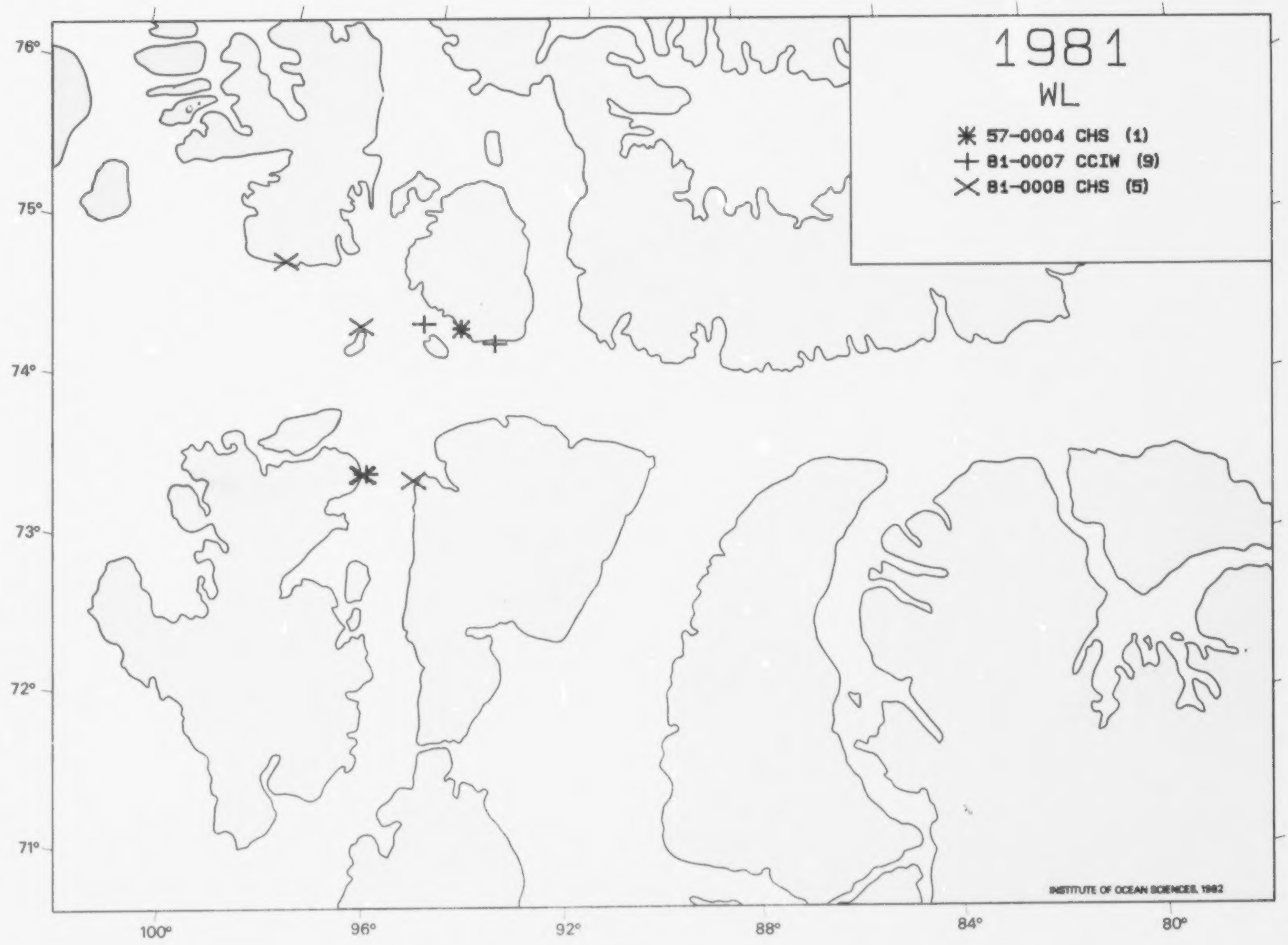
INSTITUTE OF OCEAN SCIENCES, 1982


1981
WL
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+ 81-0007 CCIW (9)
× 81-0008 CHS (5)
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84°
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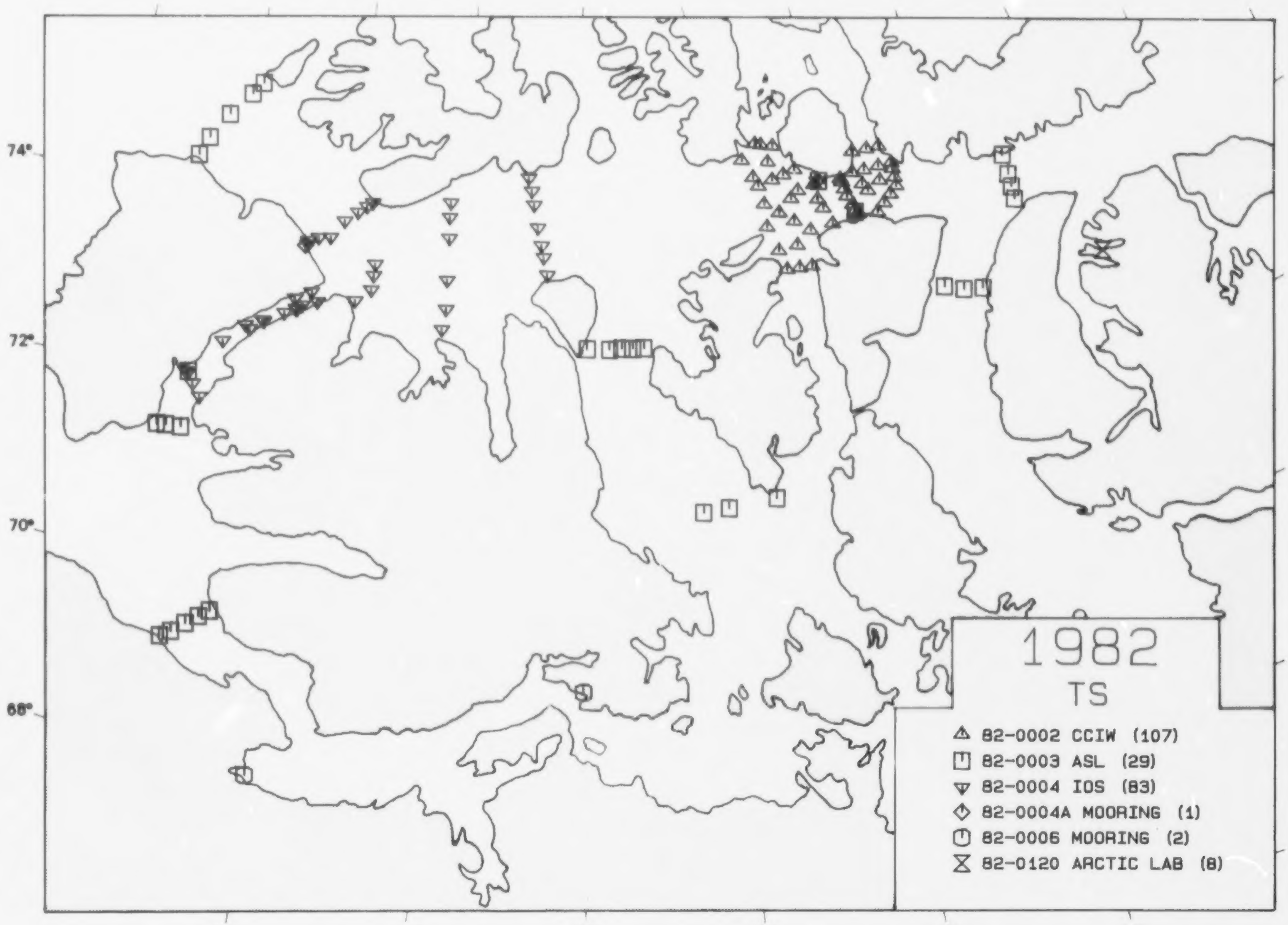
INSTITUTE OF OCEAN SCIENCES, 1982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⊔ 82-0003 ASL (29)
▽ 82-0004 IOS (83)
◇ 82-0004A MOORING (1)
82-0006 MOORING (2)
⧗ 82-0120 ARCTIC LAB (8)
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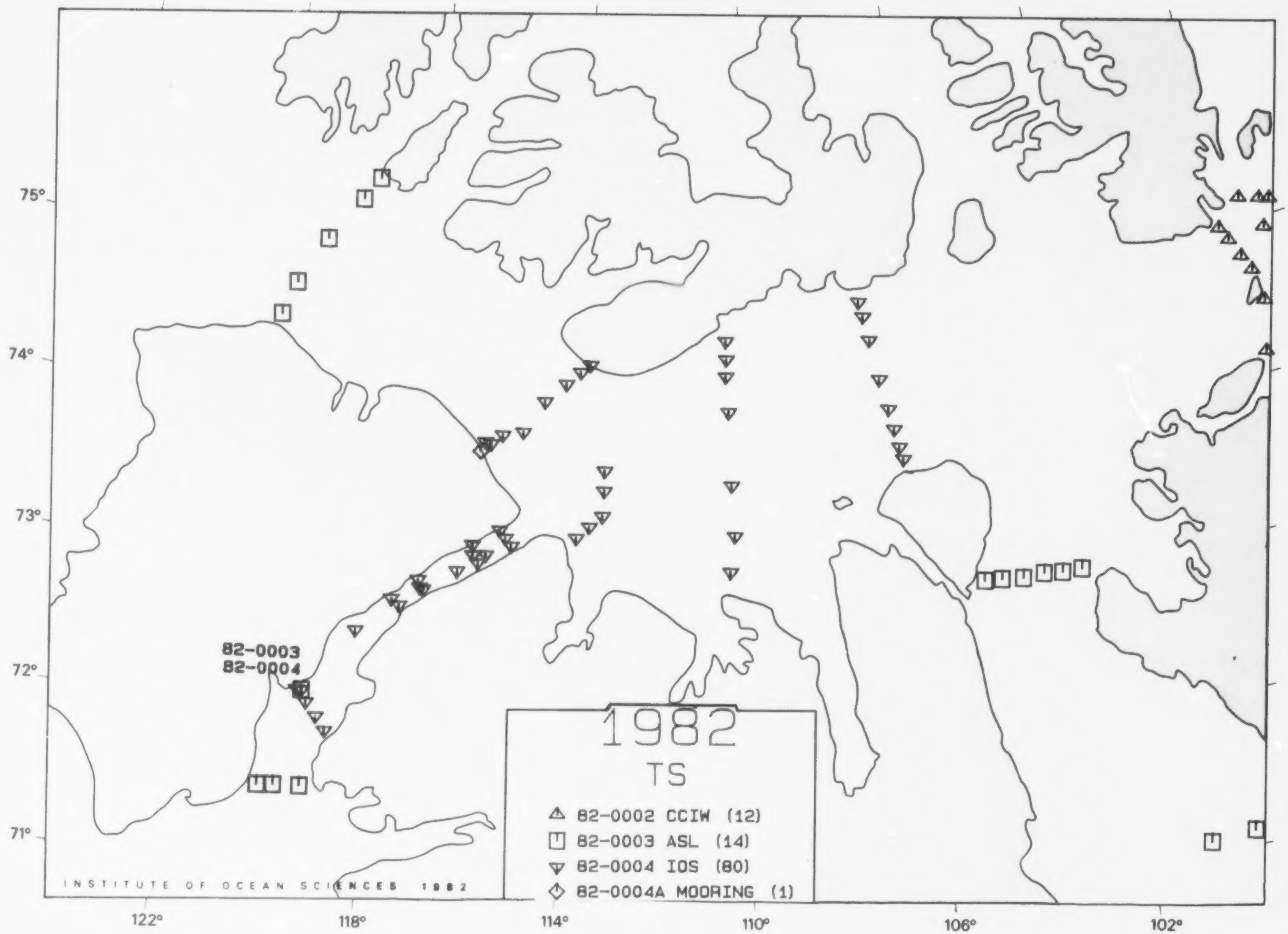
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102°
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82-0004
1982
TS
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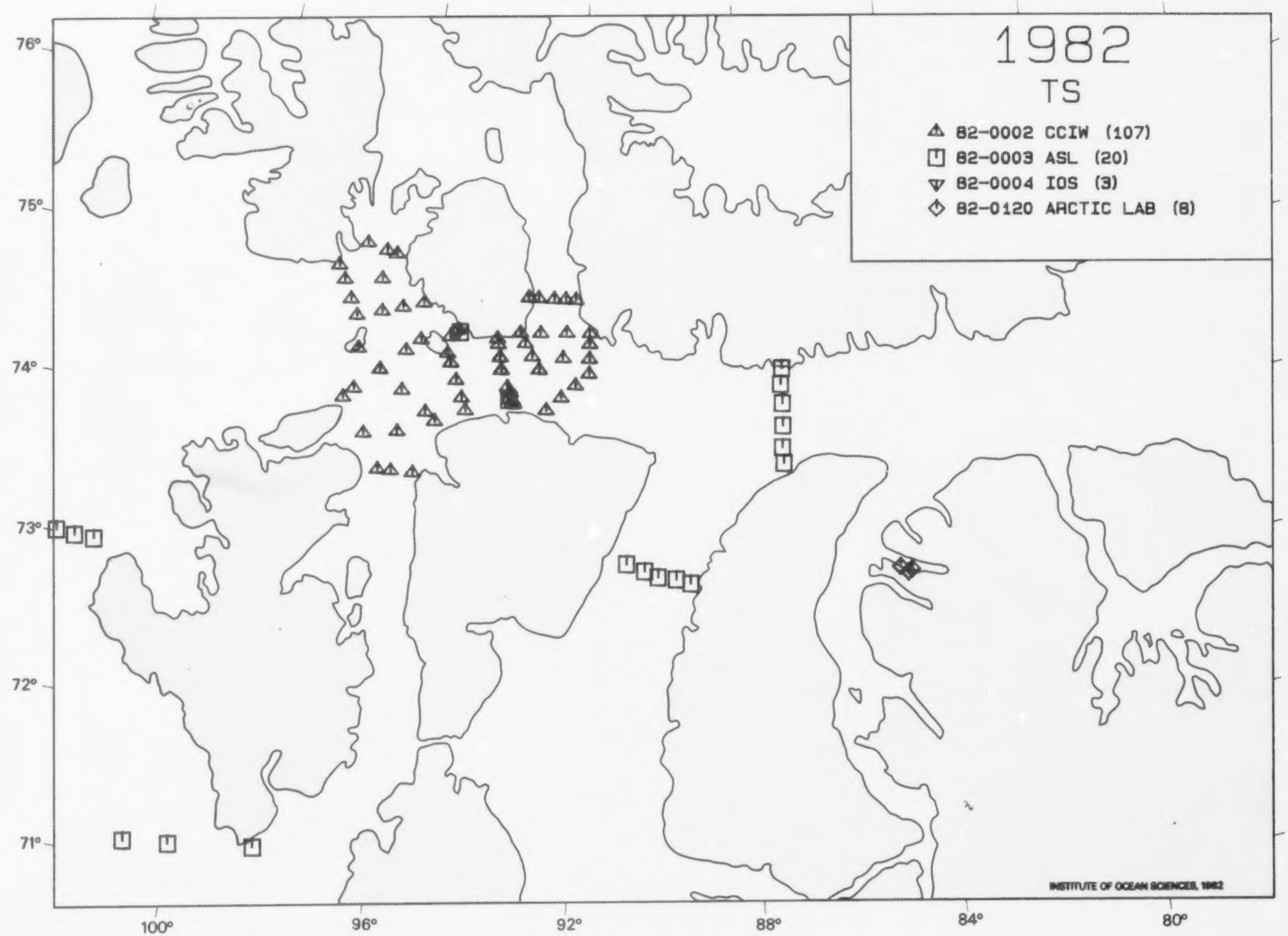
□ 82-0003 ASL (14)
▽ 82-0004 IOS (80)
◇ 82-0004A MOORING (1)
INSTITUTE OF OCEAN SCIENCES 1982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TS
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☐ 82-0003 ASL (20)
▽ 82-0004 IOS (3)
◇ 82-0120 ARCTIC LAB (8)
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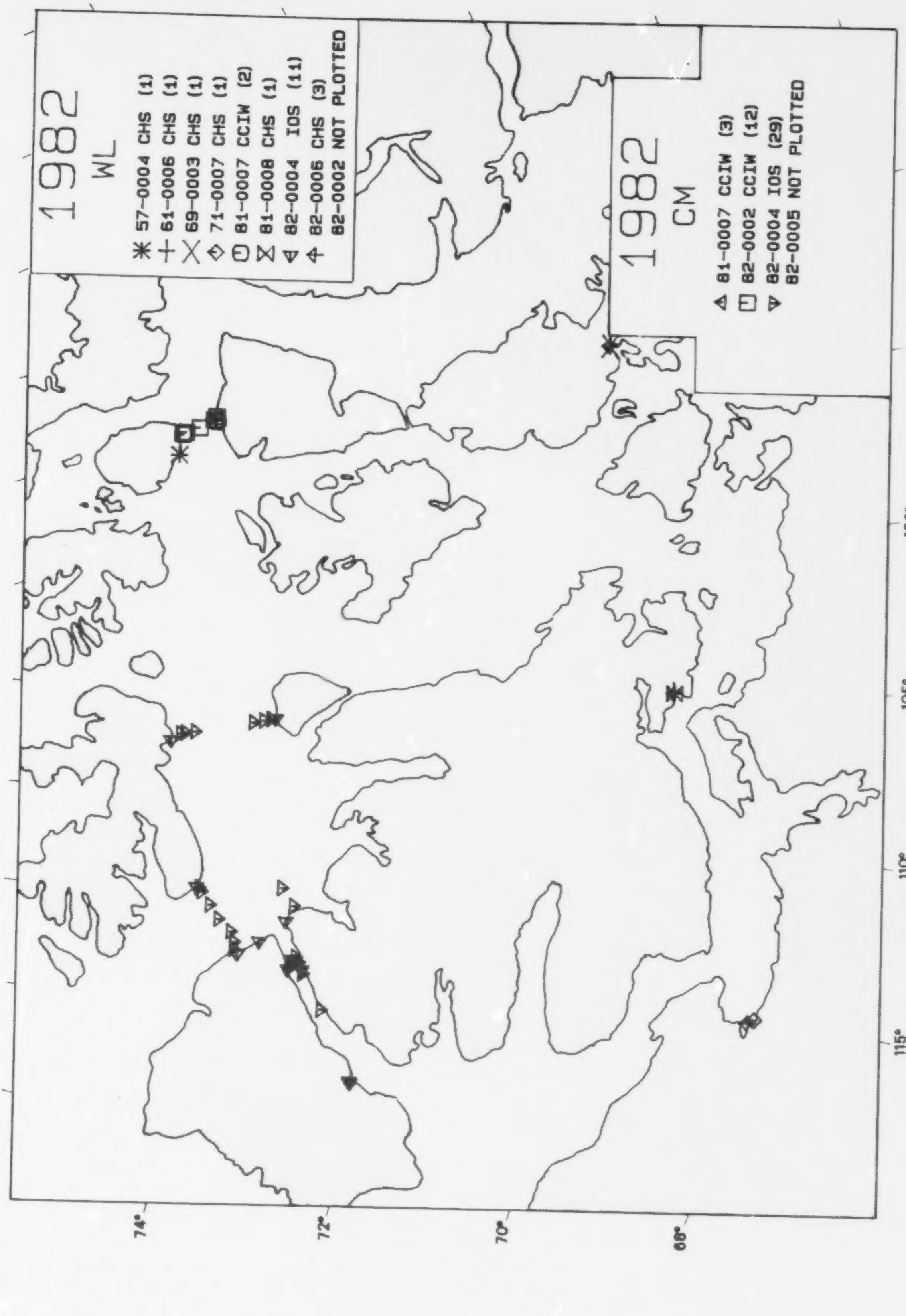
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WL
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71-0007 CHS (1)
81-0007 CCIW (2)
81-0008 CHS (1)
82-0004 IOS (11)
82-0006 CHS (3)
82-0002 NOT PLOTTED
1982
CM
81-0007 CCIW (3)
82-0002 CCIW (12)
82-0004 IOS (29)
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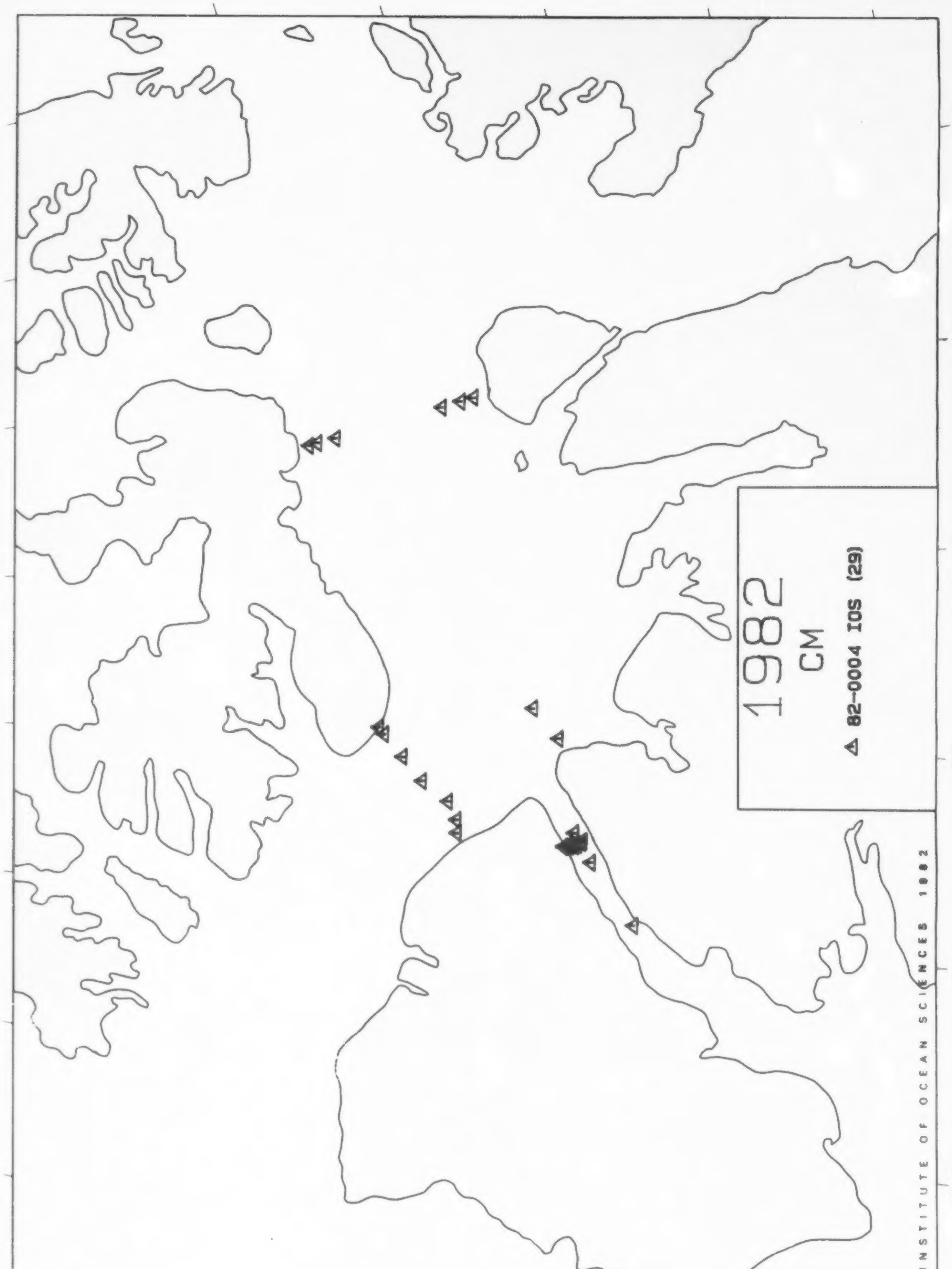
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CM
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INSTITUTE OF OCEAN SCIENCES 1982
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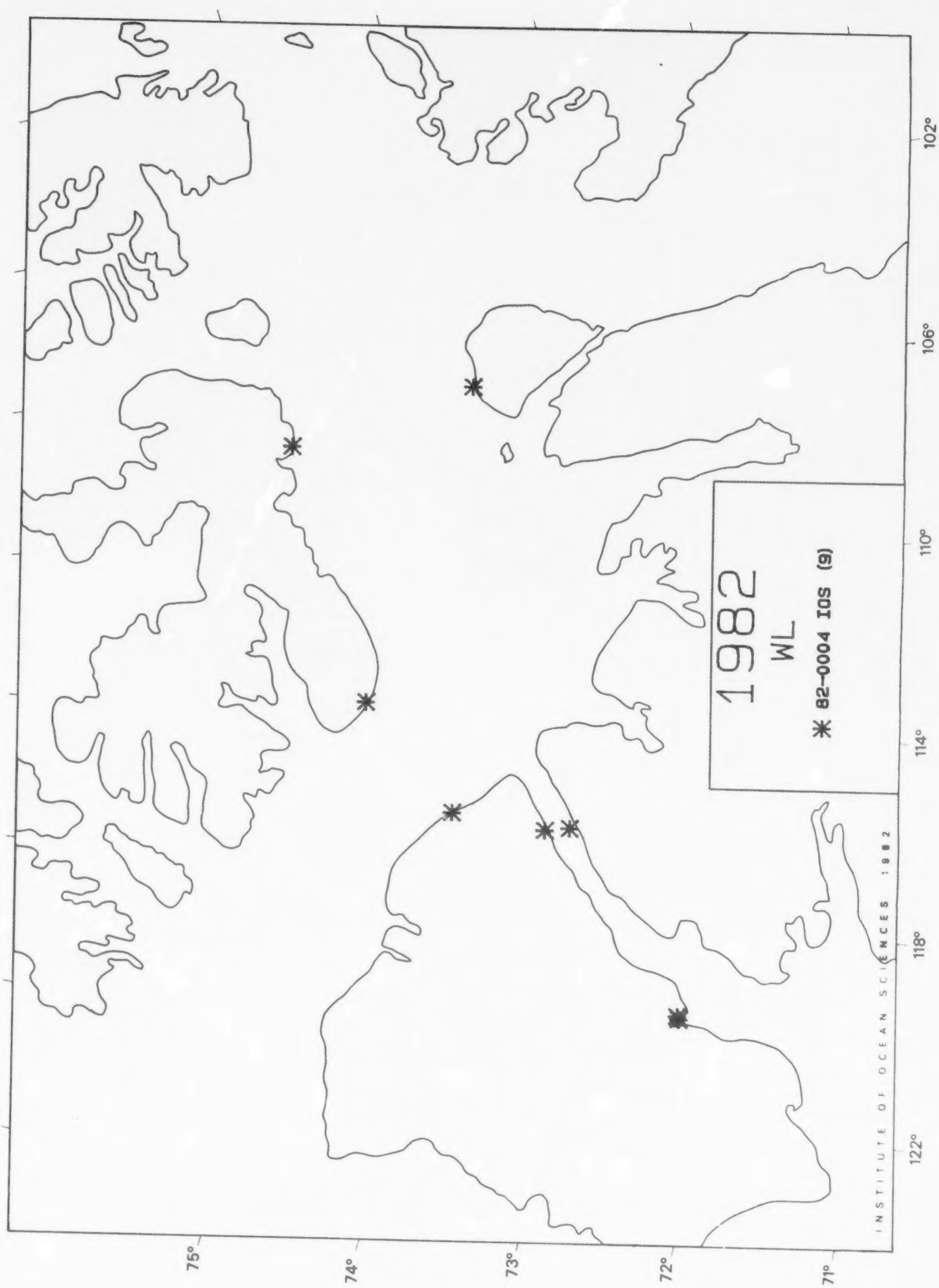
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WL
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INSTITUTE OF OCEAN SCIENCES 1982
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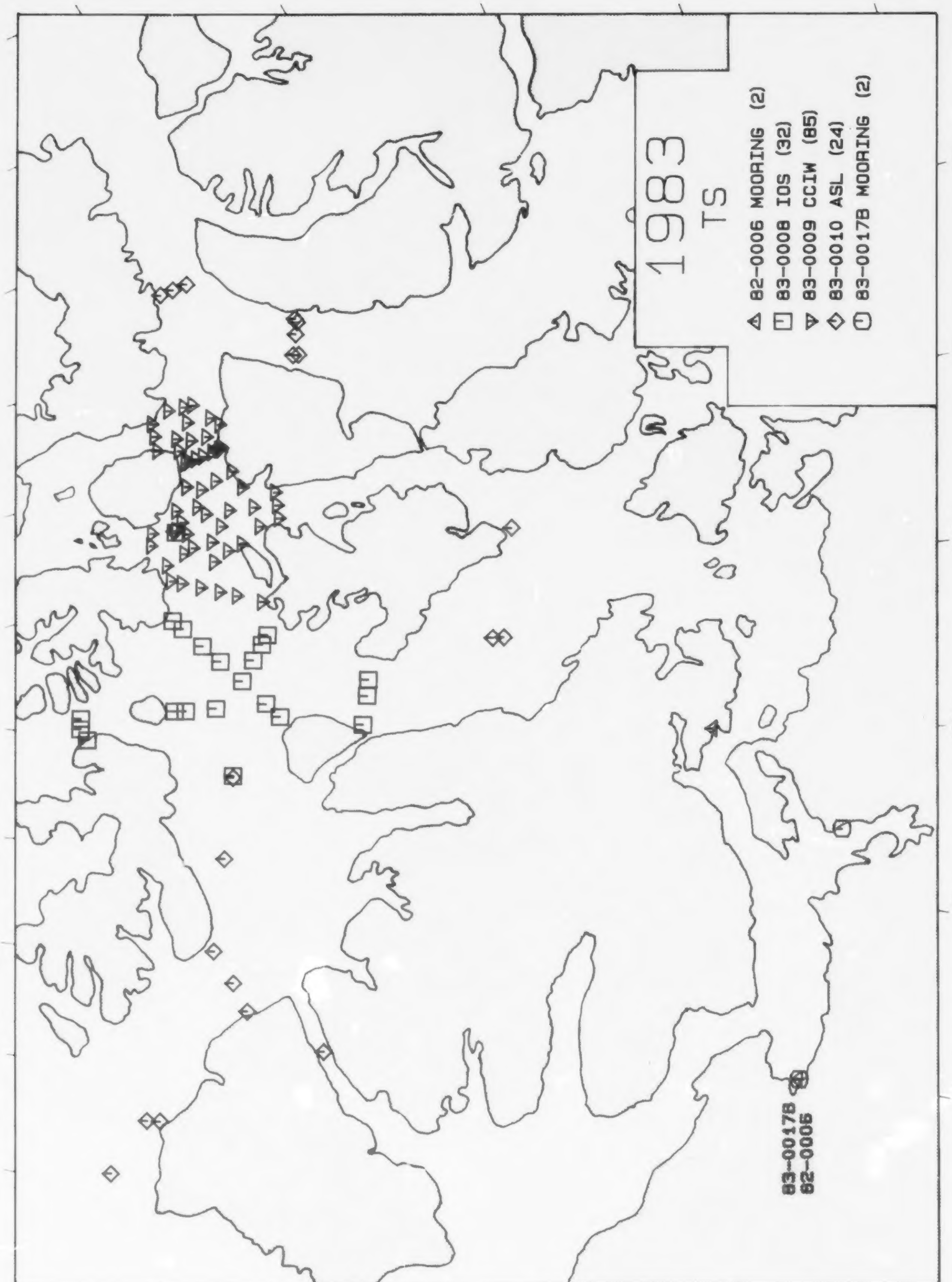
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◇ 83-0010 ASL (24)
⌚ 83-0017B MOORING (2)
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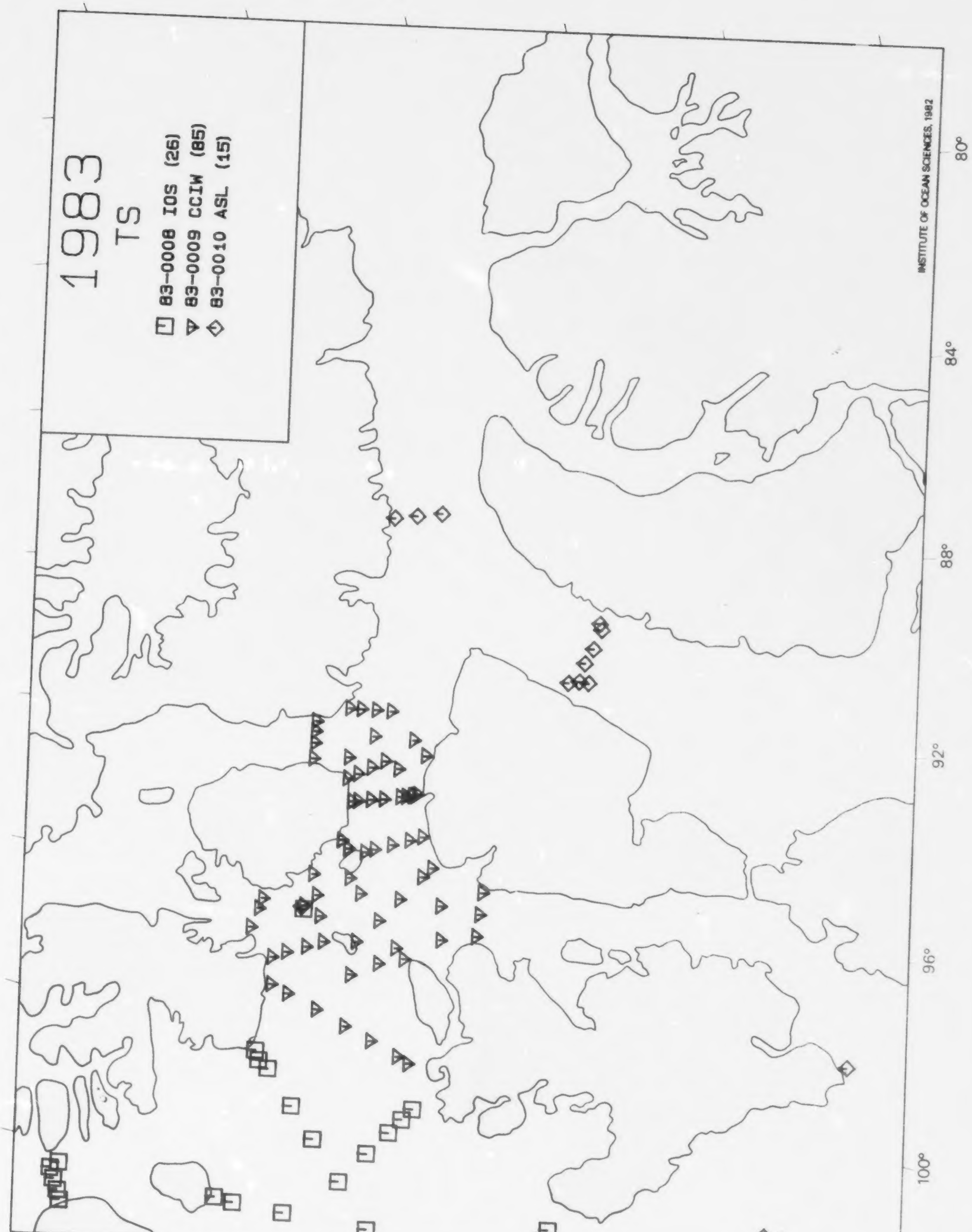
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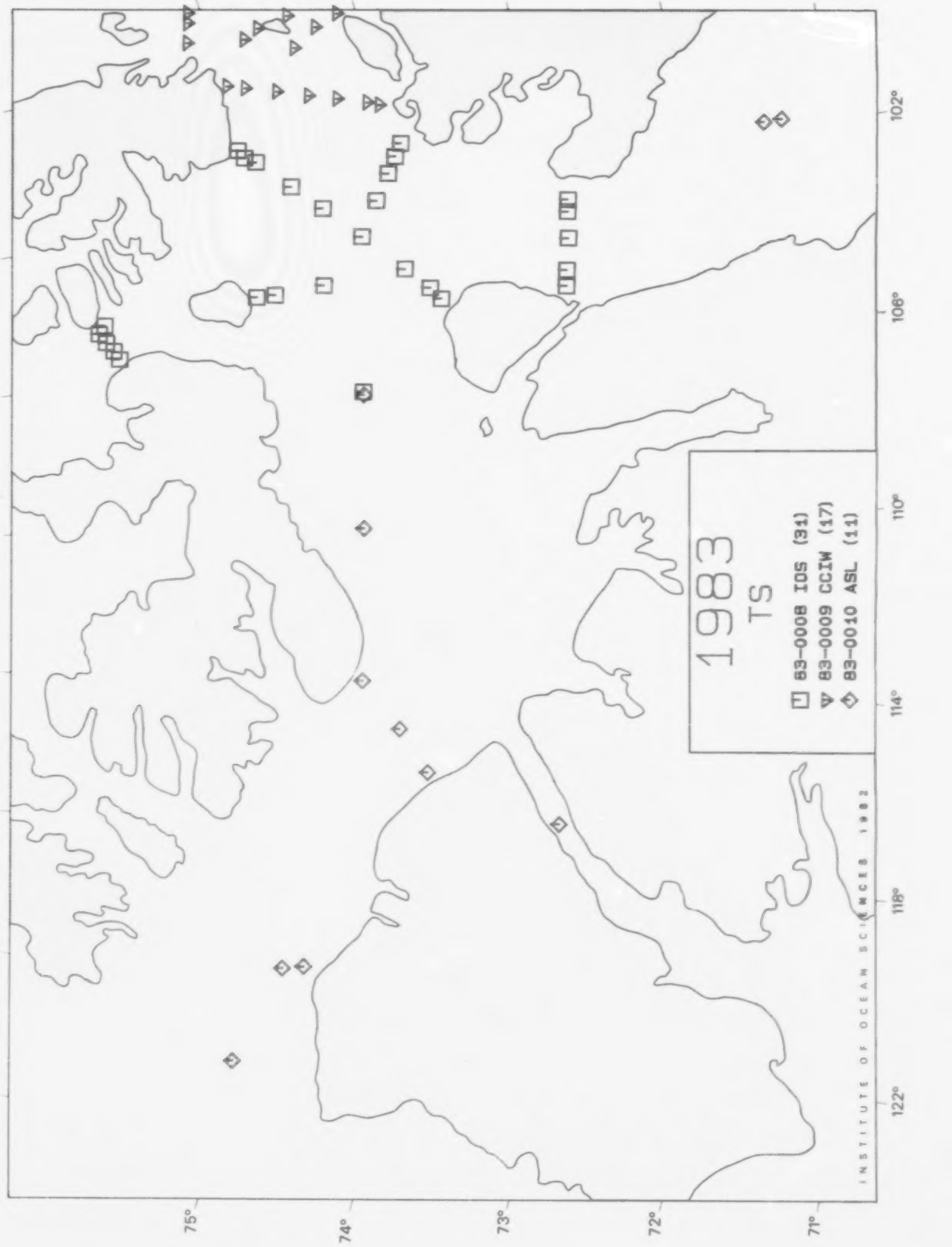
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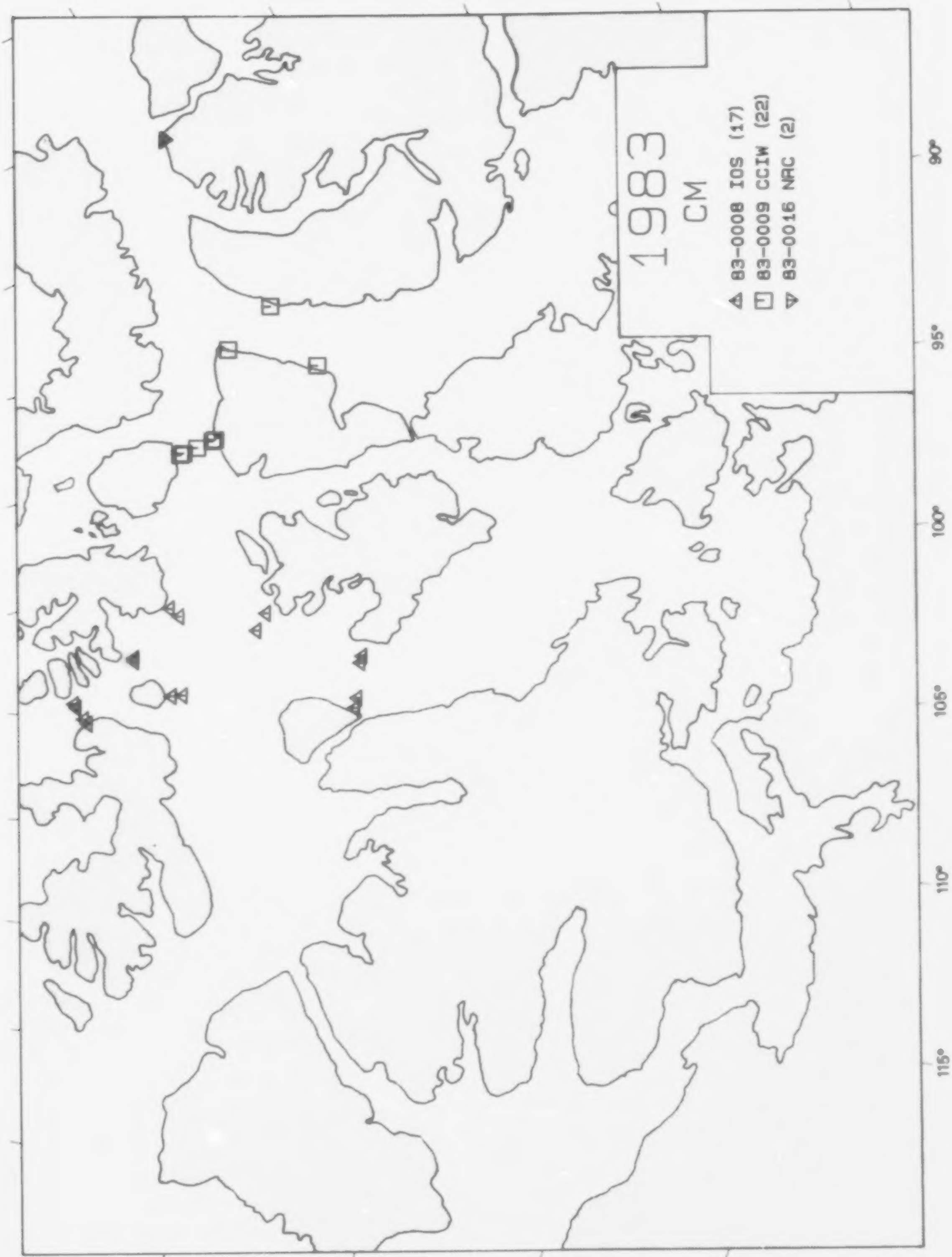
INSTITUTE OF OCEAN SCIENCES 1982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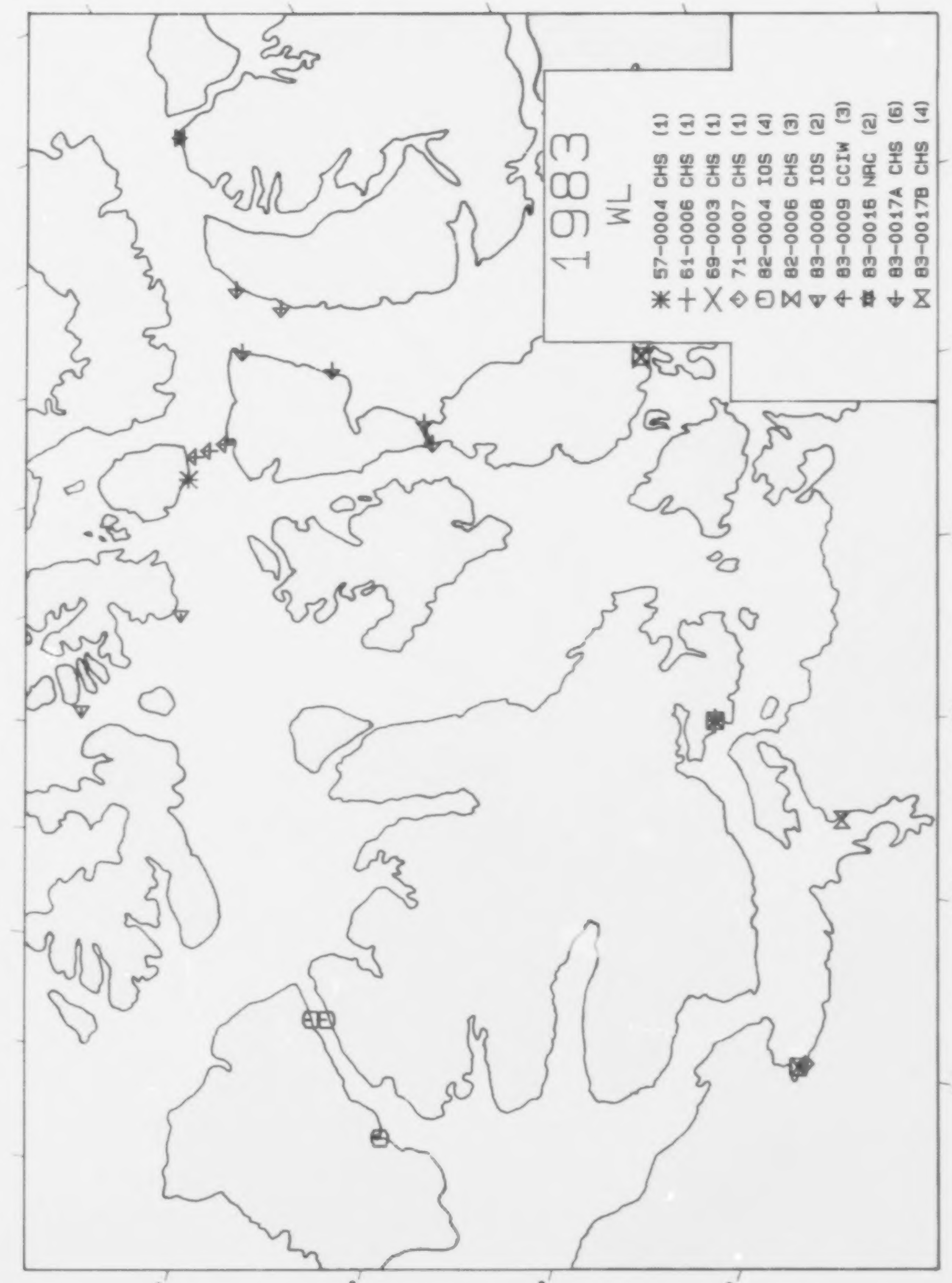
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82-0004 IOS (4)
82-0006 CHS (3)
83-0008 IOS (2)
83-0009 CCIW (3)
83-0016 NRC (2)
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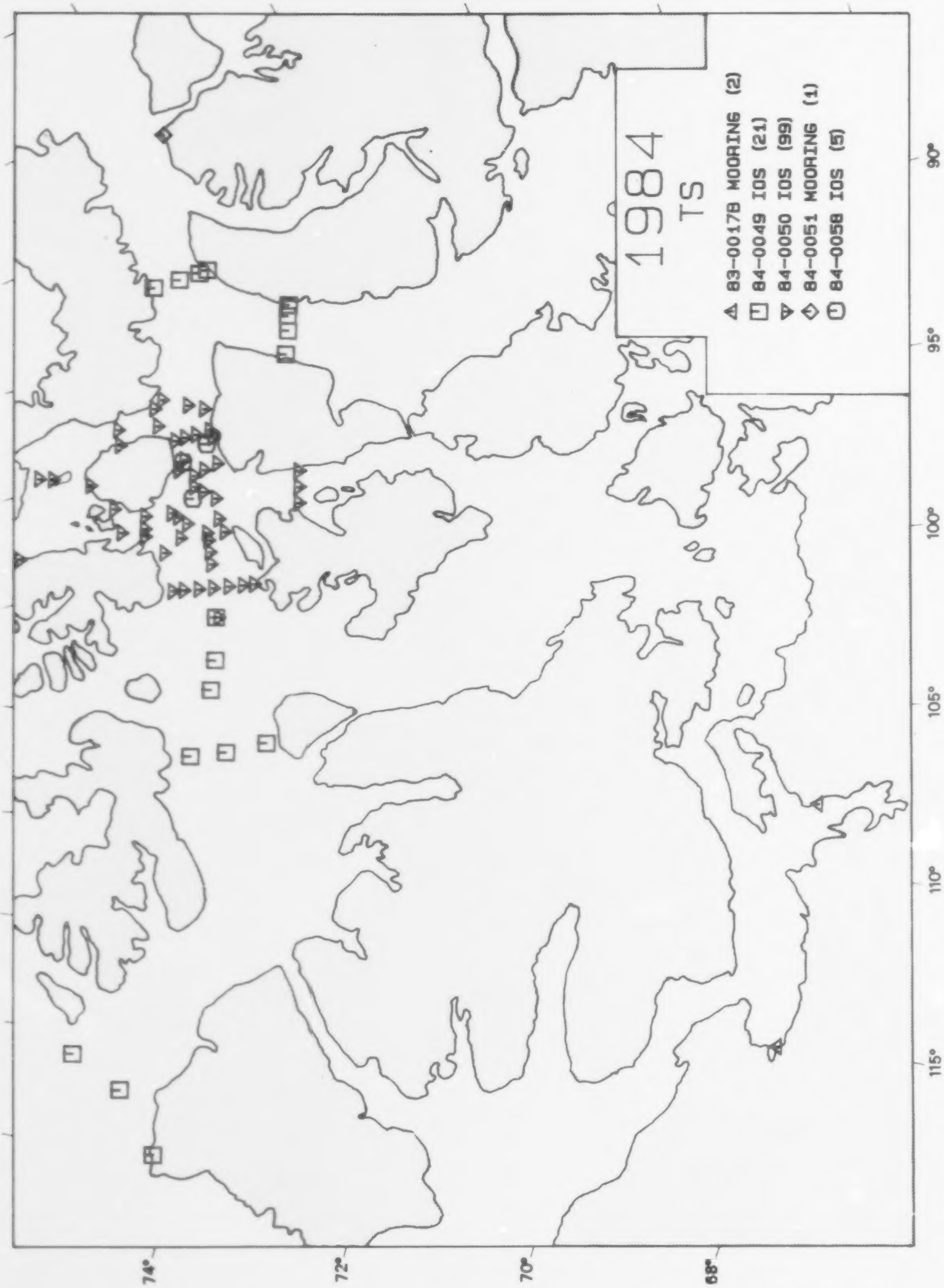
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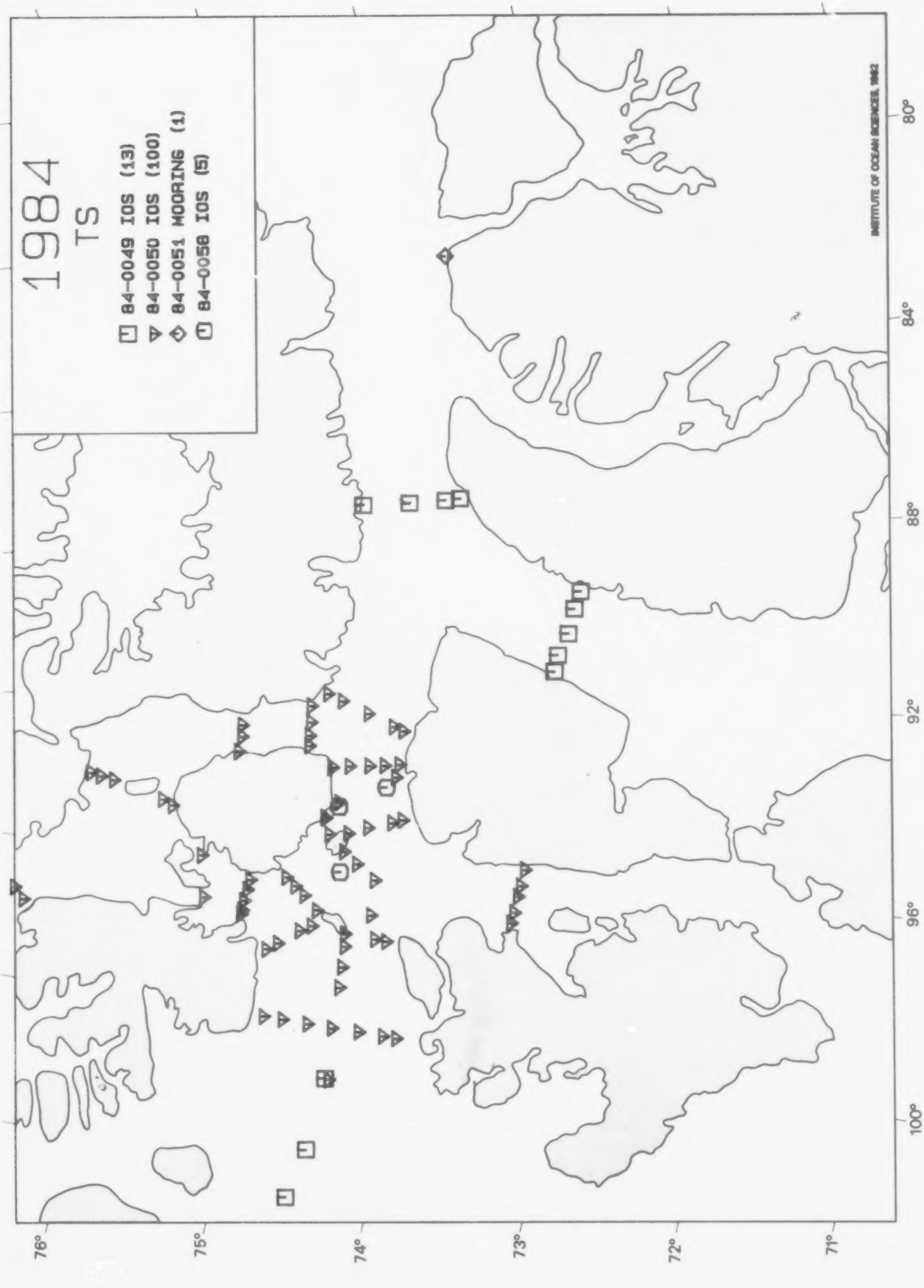
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○ 84-0058 IOS (5)
INSTITUTE OF OCEAN SCIENCES, 1982
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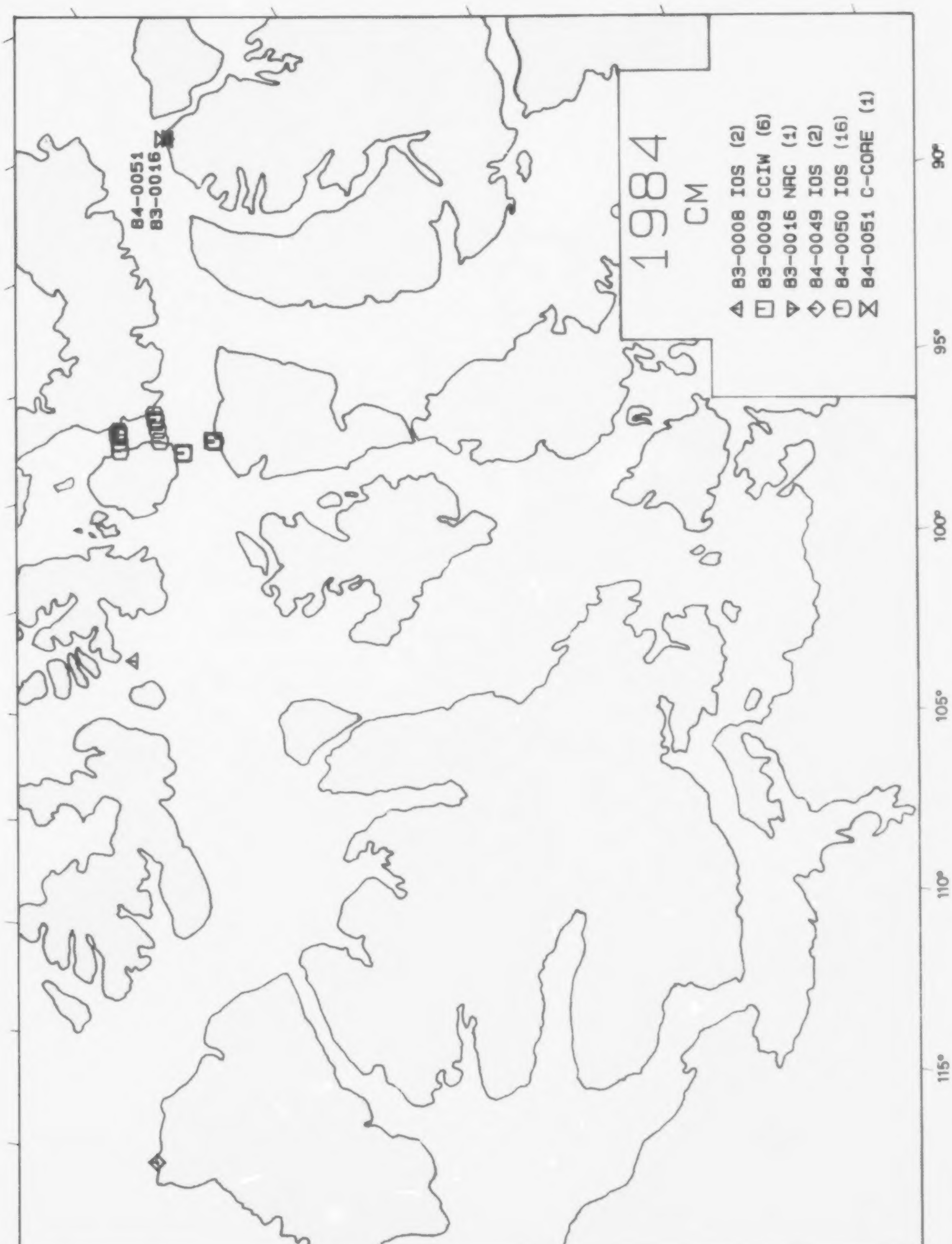
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□ 83-0009 CCIW (6)
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84-0050 IOS (16)
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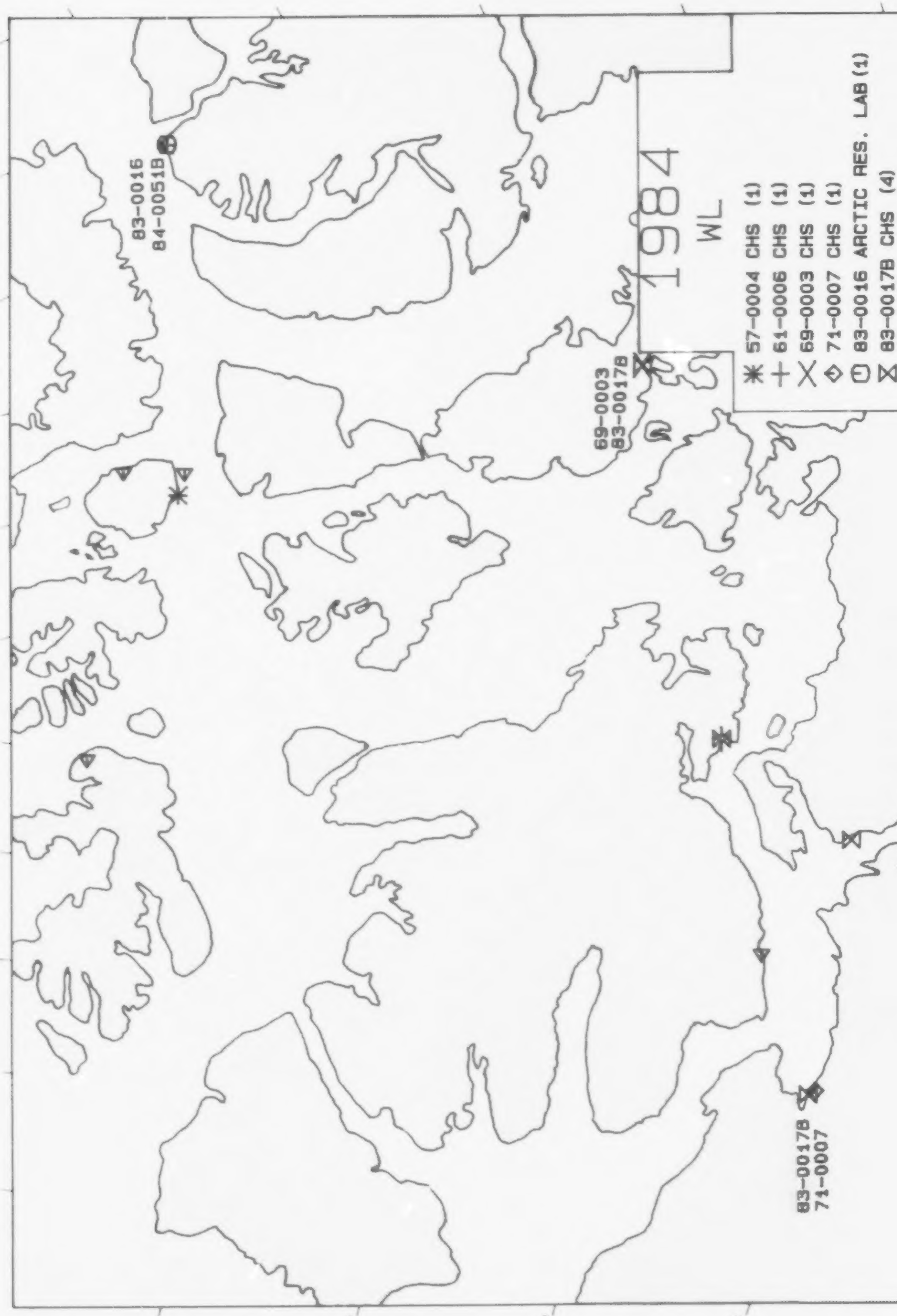
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◇ 71-0007 CHS (1)
○ 83-0016 ARCTIC RES. LAB (1)
⧖ 83-0017B CHS (4)
◁ 84-0050 IOS (4)
◇ 84-0051B NRC (1)
83-0016
84-0051B
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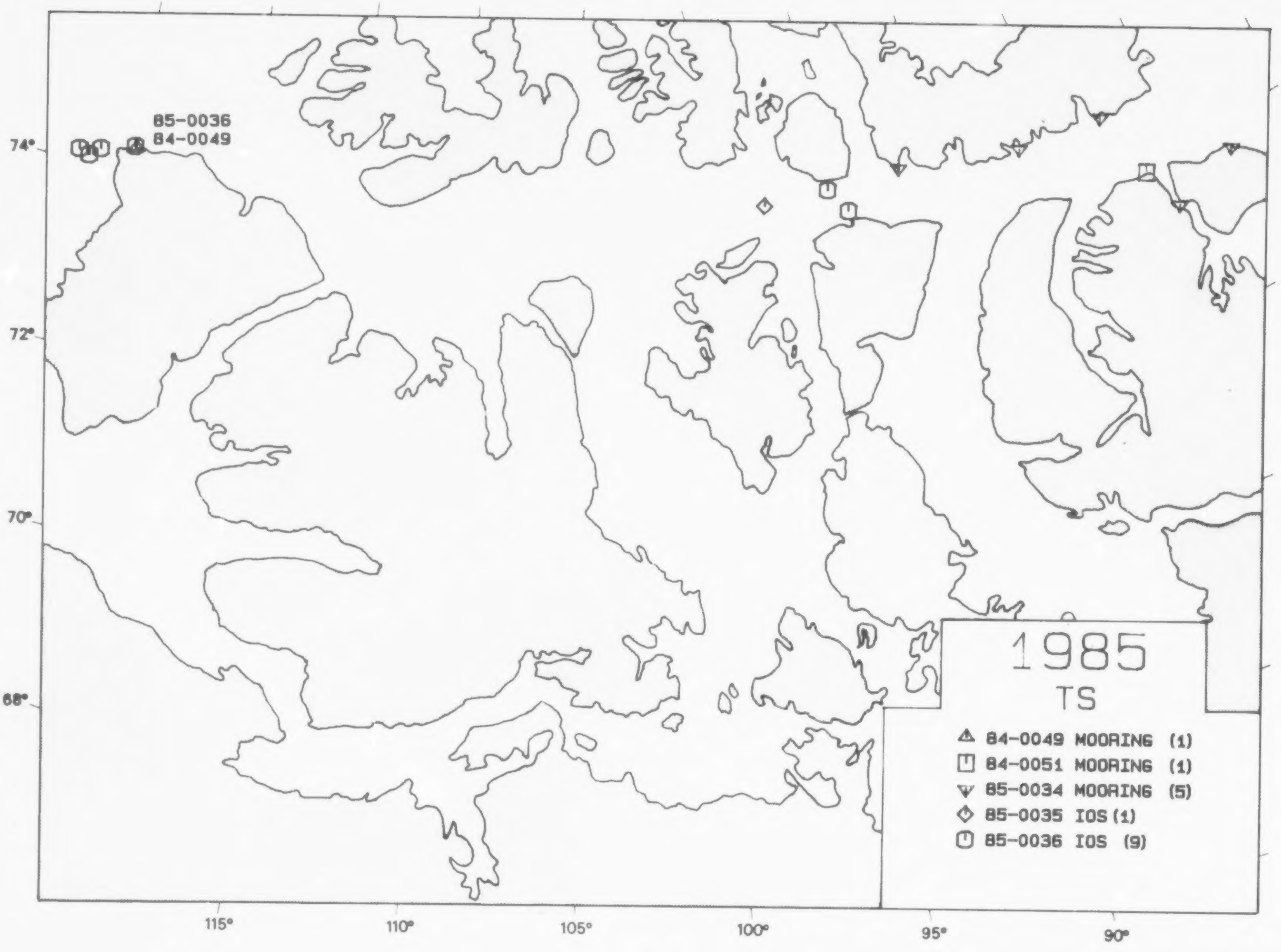
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90°
1985
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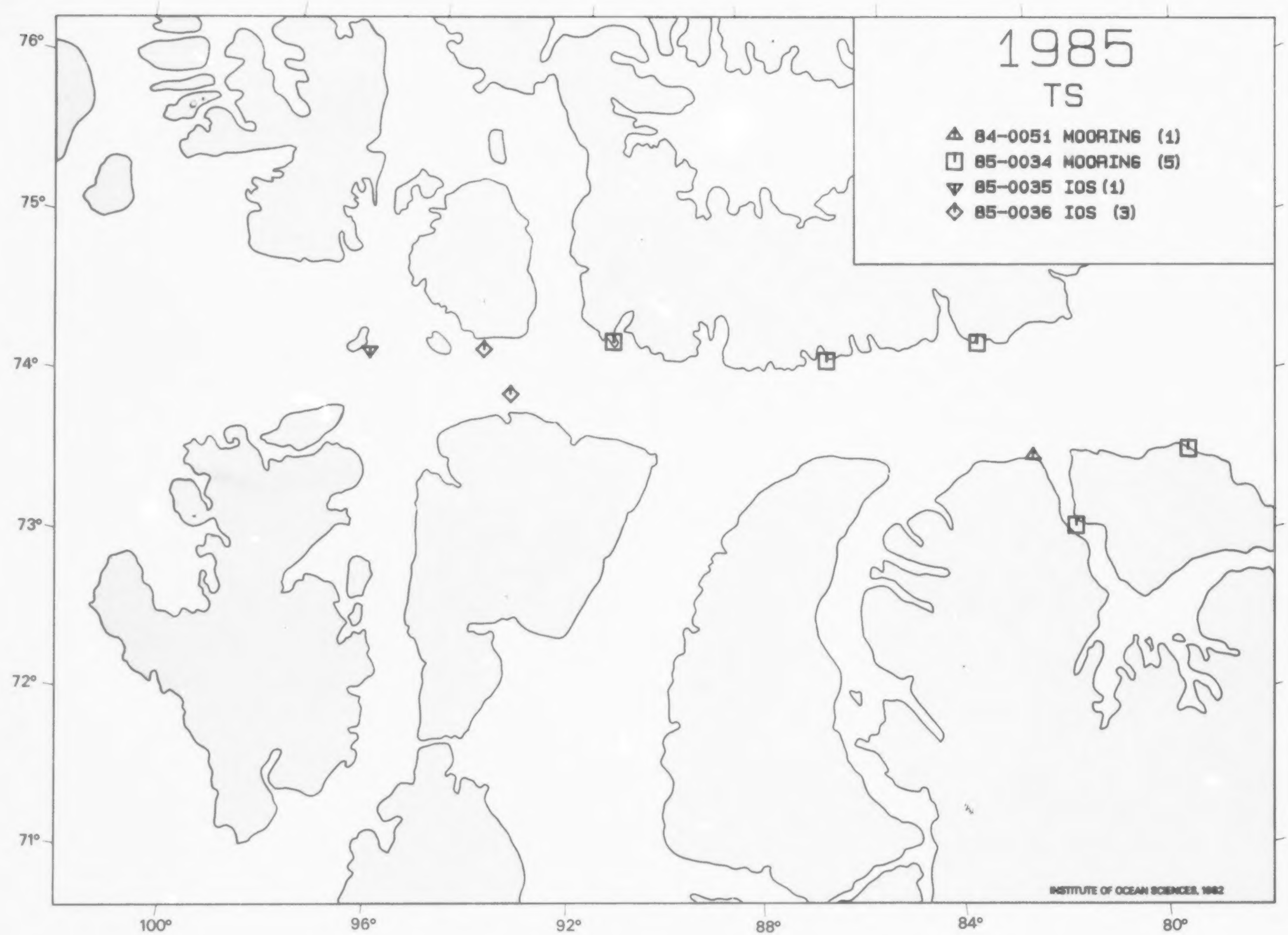
◇ 85-0035 IOS (1)
○ 85-0036 IOS (9)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TS
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▽ 85-0035 IOS (1)
◇ 85-0036 IOS (3)
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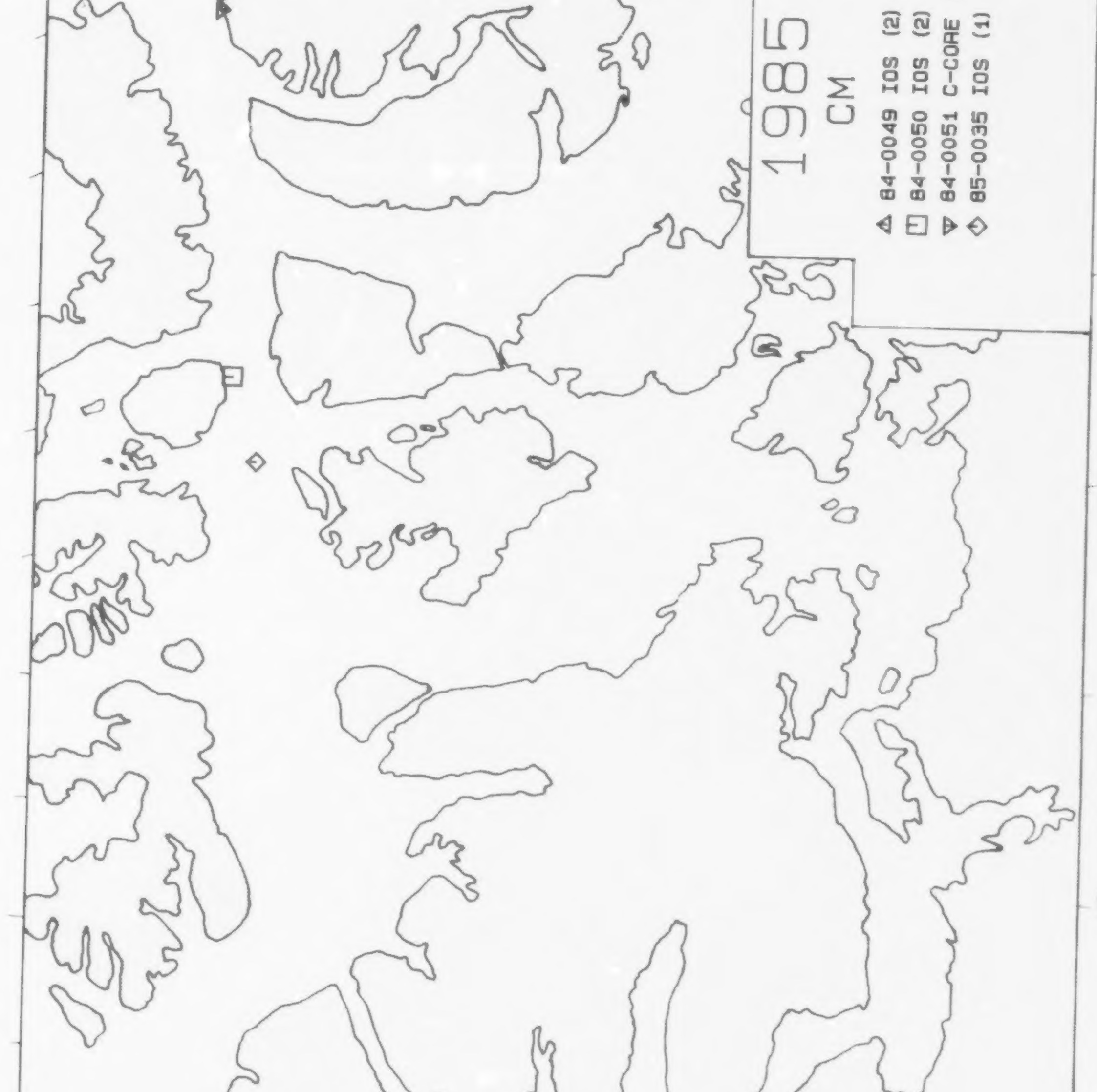
INSTITUTE OF OCEAN SCIENCES, 1982


1985
CM
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□ 84-0050 IOS (2)
▽ 84-0051 C-CORE (1)
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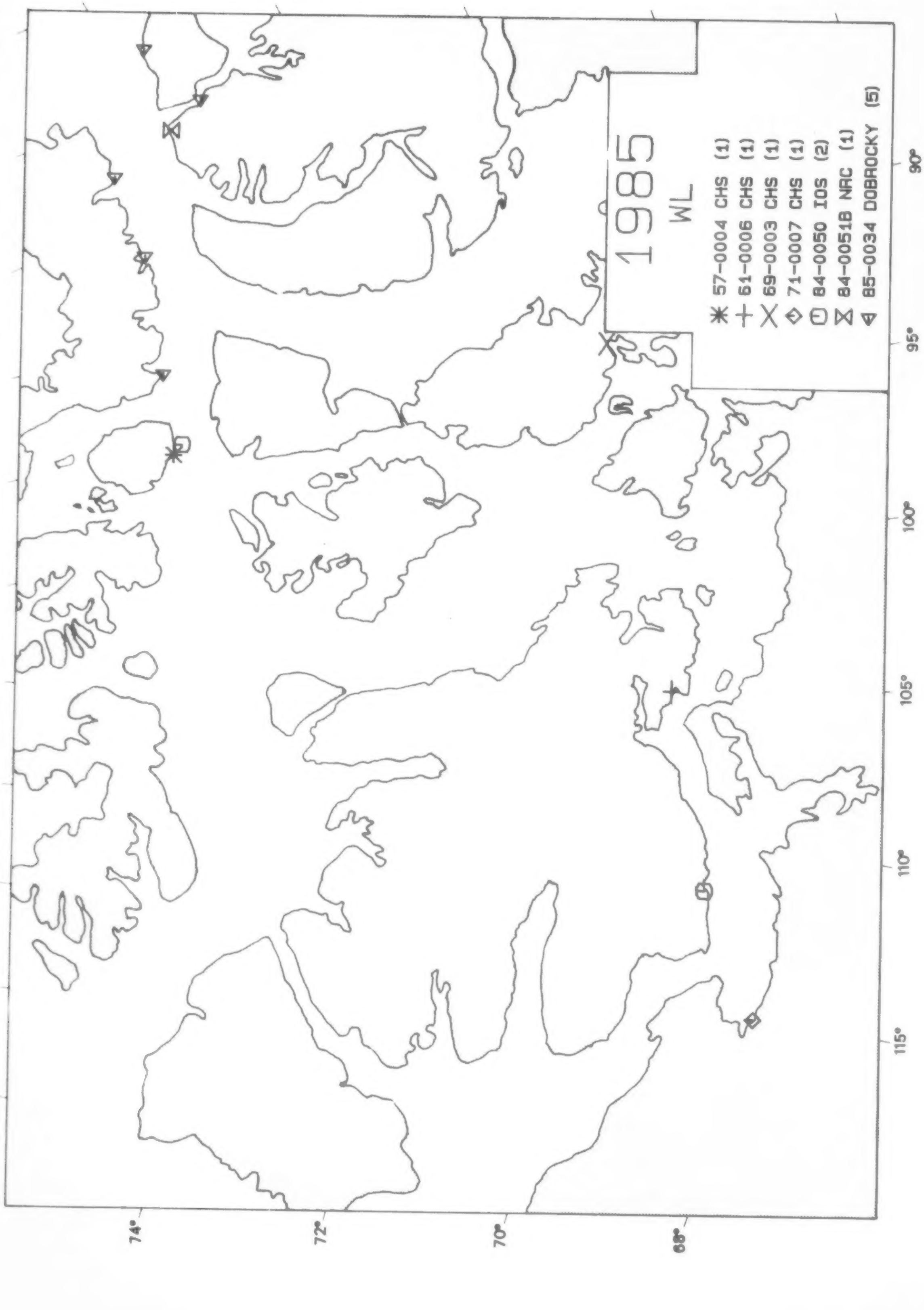
1985
WL
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✕ 69-0003 CHS (1)
◇ 71-0007 CHS (1)
▢ 84-0050 IOS (2)
⧖ 84-0051B NRC (1)
◁ 85-0034 DOBROCKY (5)
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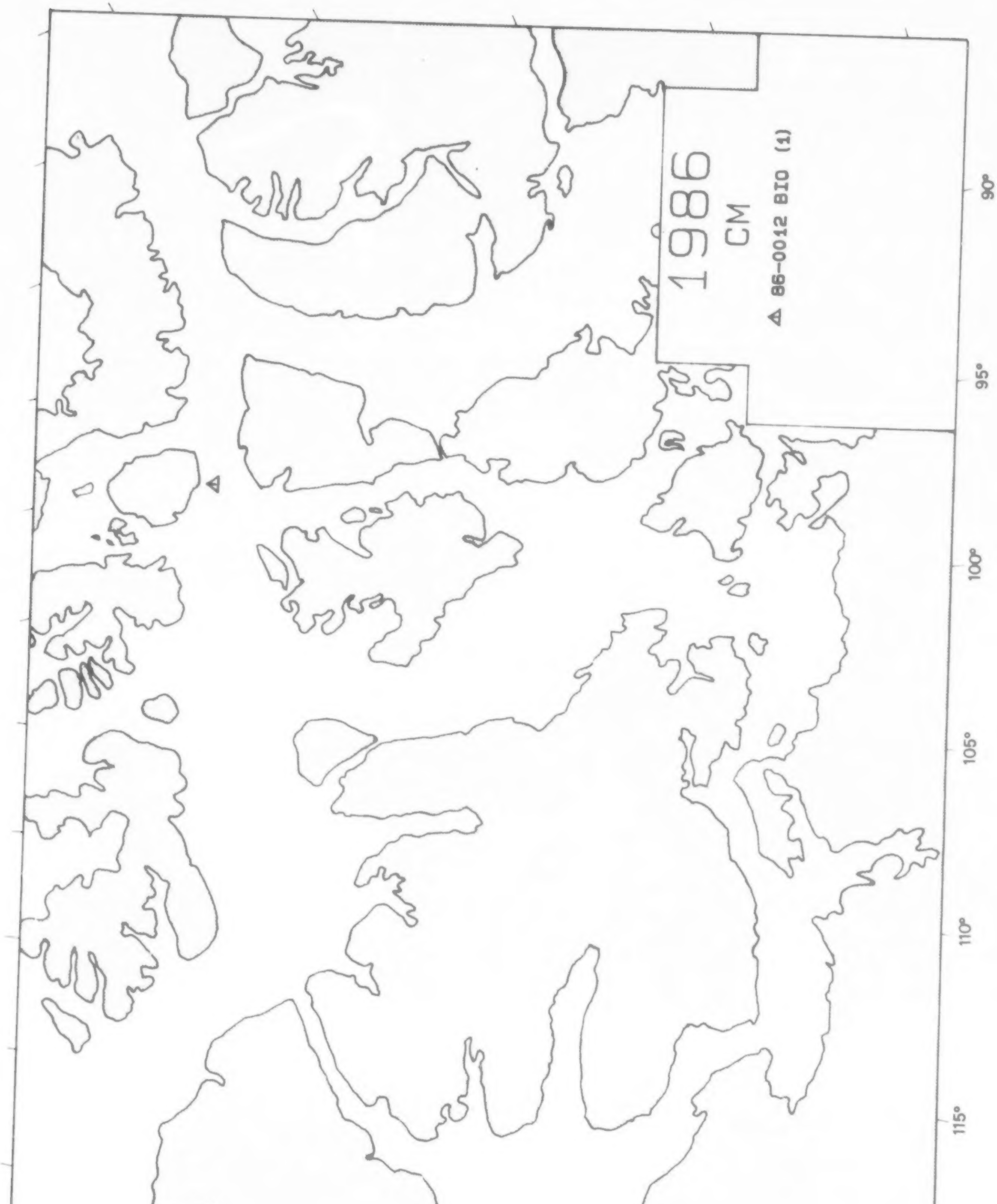
68°


1986
CM
Δ 86-0012 BIO (1)
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100°
105°
110°
115°
74°
72°
70°
68°

10. INDEXES

This section contains three indexes to the data sets. **Index 10.1** is a geographical index which provides a listing by sub-area. All data sets with any measurements in a particular sub-area (Figure 1) are listed by I.D. number under that sub-area.

Index 10.2 classifies the data sets by measurement type, under the following headings:

Temperature and salinity-bottle : measurements at discrete points in the water column, using bottle casts

Profiles of temperature and salinity : measurements made with a profiling instrument such as a CTD

Water levels, bottom pressure : measurements from shore-based tide stations or bottom-pressure gauges

Eulerian currents : measurements of current velocity at a fixed point with a current meter

Lagrangian drift paths : measurements of circulation using free-floating drifters

Waves : measurements of waves at a fixed point.

Index 10.3 lists references for each data set by number. The data-set number appears at the left-hand side of the page, with references listed to the right. The main references are listed, followed by other interpretive or analytical references, indented with respect to the main references. The list of interpretive or analytical references may not be complete.

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10.3 INDEX OF REFERENCES BY DATA SET NUMBER

1820-0002 Parry, W.E., 1821. Journal of a Voyage For the Discovery of the Northwest Passage. 2nd ed. John Murray, London.

Harris, R.A., 1911. Arctic tides. U.S. Government printing office. 55 p.

1848-0002 Bolduc, P.A., J.D. Taylor, and F.G. Barber, 1986. Sea level at Port Leopold, N.W.T., in 1848. Arctic 39(3). pp 264-266.

Ross, J.C., 1854. On the effect of the pressure of the atmosphere on the mean level of the ocean. Trans. Royal Society 144. pp. 285-296.

Harris, R.A., 1911. Arctic tides. U.S. Government printing office. 55 p.

1858-0001 Proceeding Royal Society, 1885. Vol. 39. pp. 174-175, 194-195.

Harris, R.A., 1911. Arctic tides. U.S. Government printing office. 55 p.

1859-0001 Phil. Trans. Roy. Soc., London, 1875. Vol. 165. pp. 340-345.

Harris, R.A., 1911. Arctic tides. U.S. Government printing office. 55 p.

15-0001 Dawson, W.B., 1920. Tidal investigations and results. Can. Arctic Exp. 1913-1918. Rep. Vol. 10: 1-13. Plankton, hydrography, tides (Pt. C). King's Printer, Ottawa.

28-0001 Riis-Carstensen, E., The Godthaab expedition 1928. The hydrographic work and material. Meddelelser om Gronland(78). pp. 1-101.

Killerich, A.B., 1939. A theoretical treatment of the hydrographic observational material, the Godthaab Expedition. Meddelelser om Gronland 78. pp. 1-148.

35-0001 Tully, J.P., 1952. Oceanographic data of the western Canadian Arctic region, 1935-37. J. Fish. Res. Board Can. 8. pp. 378-382.

37-0001 Tully, J.P., 1952. Oceanographic data of the western Canadian Arctic region, 1935-37. J. Fish. Res. Board Can. 8. pp. 378-382.

46-0001 Metcalf, W.G., 1949. Oceanographic program of the U.S. Navy Task Force 80. Arctic Operation Summer 1948. Woods Hole Oceanographic Institution, Woods Hold, Mass., Ref. No. 49-4. 67 p.

48-0001 Metcalf, W.G., 1949. Oceanographic program of the U.S. Navy Task Force 80. Arctic Operation Summer 1948. Woods Hole Oceanographic Institution, Woods Hold, Mass., Ref. No. 49-4. 67 p.

50-0002 U.S. Navy Hydrographic Office, 1954a. Oceanographic observations, Arctic waters - USS Edisto and USS Atka. Washington, D.C.. Pub. 618-A. 315 p.

52-0003 U.S. Navy Hydrographic Office, 1954a. Oceanographic observations, Arctic waters - USS Edisto and USS Atka. Washington, D.C.. Pub. 618-A. 315 p.

53-0001 U.S. Navy Hydrographic Office, 1954b. Oceanographic observations - USS Burton Island 1950-53. Washington, D.C. Pub. 618-C. 309 p., 6 charts.

54-0001 Bailey, W.B., 1955. Oceanographic reconnaissance in the Canadian Archipelago (1954). Fish. Res. Board Can. MSS Rept. Biol. Sta. No. 603. 145 p.

Bailey, W.B., 1957. Oceanographic features in the Canadian Archipelago. J. Fish. Res. Board Can 14. pp. 731-769.

54-0002 U.S. Navy Hydrographic Office, 1956. Oceanographic survey results, Beaufort Sea area - summer 1954. USS Burton Island (AGB-1) and USCGC Northwind (WAGB-282). H.O. Pub. 15791. 104 p.

54-0003 U.S. Navy Hydrographic Office, 1956. Oceanographic survey results, Beaufort Sea area - summer 1954. USS Burton Island (AGB-1) and USCGC Northwind (WAGB-282). H.O. Pub. 15791. 104 p.

54-0004 Ellis, D.V., 1956. Some temperature and salinity records from the Canadian Arctic during 1954 and 1955. J. Fish. Res. Board Can.(13). pp 591-598.

56-0001 U.S. Navy Hydrographic Office, 1960. Oceanographic observations, Arctic Waters. Task Force 5 and 6. Summer-Autumn 1956; USCGC Resolute, USCGC Eldorado, USCGC Atka, USS Eastwind. Washington, D.C. Tech. Rep. No. 58. 89 p., illustrations.

56-0002 Apollonio, S., 1957. Plankton productivity studies in Allen Bay, Cornwallis Island, N.W.T. 1956. Woods Hole Oceanographic Institution, Woods Hole, Mass. Unpubl. manuscript. 8 p.

56-0003 Collin, A.E., 1958. An oceanographic study of Prince Regent Inlet, the Gulf of Boothia and adjacent waters. Fish. Res. Bd. Can., Man. Rep. Ser. (Limnol. & Oceanog.) No. 13. 66 p.

57-0001 U.S. Navy Hydrographic Office, 1959. Oceanographic observations, Arctic Waters. Task Force 5 and 6. Summer-Autumn 1957; USCGC Eastwind, USCGC Westwind, USCGC Spar, USS Atka, USS Eldorado. Washington, D.C. Tech. Rep. No. 59. 145 p., illustrations.

57-0003 Collin, A.E., 1962a. On the oceanography of Lancaster Sound. Ph.D. Thesis, McGill University, Montreal. 204 p.

57-0004 Stephenson, F., 1977. An assessment of the permanent water level stations in the Canadian Arctic. Lighthouse 16. pp. 21-25.

59-0002 U.S. Navy Oceanographic Office, 1959. Oceanographic data report, Arctic, 1959. Washington, D.C. Inf. man. Rep. No. 0-43-63. 245 p., maps.

59-0003 Milne, A.R., 1960. Shallow water under-ice acoustics in Barrow Strait. J. Acoust. Soc. Am. 32. pp 1007-1016.

60-0004 Canadian Oceanographic Data Centre, 1964. Eastern Arctic - 1960. Data Rec. Ser. No. 18. 204 p plus illustrations.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

60-0005 Canadian Oceanographic Data Centre, 1964. Eastern Arctic - 1960. Data Rec. Ser. No. 18. 204 p plus illustrations.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

60-0008 Barber, F.G., 1965. Current observations in Fury and Hecla Strait. J. Fish. Res. Board Can.(22). pp 225-229.

61-0003 Canadian Oceanographic Data Centre, 1966a. Arctic 1961. August 2 - October 12, 1961. Data Rec. Ser. No. 12. 332 p plus illustrations.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

61-0004 Canadian Oceanographic Data Centre, 1966a. Arctic 1961. August 2 - October 12, 1961. Data Rec. Ser. No. 12. 332 p plus illustrations.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

Muench, R.D., 1971. The physical oceanography of the northern Baffin Bay region. Arctic Inst. of N.A., Washington, D.C., Baffin Bay-North Water Project. Sc. Rep. No. 1. 150 p.

61-0005 Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

61-0006 Stephenson, F., 1977. An assessment of the permanent water level stations in the Canadian Arctic. Lighthouse 16. pp. 21-25.

62-0001 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

62-0005 Canadian Oceanographic Data Centre, 1963. Five Arctic surveys. Report No. 4-1963. Data Record Series. 90 p.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

62-0006 Canadian Oceanographic Data Centre, 1966b. Arctic, Hudson Bay and Hudson Strait. August 5 - October 4, 1962. Data Rec. Ser. No. 4. 247 p plus illustrations.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

62-0007 Canadian Oceanographic Data Centre, 1967. Baffin Bay, September 25 - October 24, 1962. Data Rec. Ser. No. 4. 169 p plus illustrations.

Barber, F.G. and A. Huyer, 1971. On the water of the Canadian Arctic Archipelago. An atlas presentation of 1961 and 1962 data. Dept. of Energy, Mines and Resources, Mar. Sc. Branch, Ottawa, Man. Rep. Ser. No. 21. 76 p.

64-0001 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

65-0002 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

65-0004 Lewis, E.L. and E.R. Walker, 1970. The water structure under a growing sea ice sheet. J. Geophys. Res. 75. pp. 6836-6845.

66-0004 Palfrey, K.M. and G.G. Day, 1968. Oceanography of Baffin Bay and Nares Strait in the summer of 1966 and current measurements in Smith Sound, summer 1963. U.S. Coast Guard, Washington, D.C.. Ocean Rep. No. 16. 204 p.

66-0005 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

67-0001 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

67-0002 Canadian Oceanographic Data Centre, 1968. Hudson Bay, Hudson Strait and Arctic. July 21-September 9, 1967. Data Rec. Ser. No. 4. 123 p plus illustrations.

68-0001 Herlinveaux, R.H., 1970. Icepack 8/68 - Oceanographic and biological observations. Fish. Res. Board Can. Nanaimo, B.C. Tech. Rep. No. 159. 60 p.

68-0002 Lewis, E.L. and E.R. Walker, 1970. The water structure under a growing sea ice sheet. J. Geophys. Res. 75. pp. 6836-6845.

68-0069 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

69-0003 Stephenson, F., 1977. An assessment of the permanent water level stations in the Canadian Arctic. Lighthouse 16. pp. 21-25.

69-0069 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

70-0006 U.S. Coast Guard, 1972. Oceanographic conditions in the northern Baffin Bay region, 24 July - 6 August 1970. U.S. Coast Guard, Washington, D.C. Ocean. Rep. No. 54 CG-373-54.

70-0072 Hunter, J.G. and S.T. Leach, 1983. Hydrographic data collected during fisheries activities of the Arctic Biological Station, 1960 to 1979. Can. Data Rep. Fish. Aquat. Sci. 414. x + 87 p.

70-0073 Anderson, B.G., 1973. Arctic III expedition, diving equipment and human performance. The James Allister MacInnis Foundation Arctic Expeditions. Vol. II. 64 p.

MacInnis, J.B., 1971. Arctic expeditions I and II, summary report. The James Allister MacInnis Foundation Arctic Diving Expeditions. Vol I, 65 p.

71-0006 Institute of Ocean Sciences, 1973. Oceanographic data report - Cambridge Bay, N.W.T., September 1971 to April 1972. Frozen Sea Research Group, Pacific Region, Sidney, B.C. Pac. Mar. Sc. Rep. 73-9. 367 p.

71-0007 Stephenson, F., 1977. An assessment of the permanent water level stations in the Canadian Arctic. Lighthouse 16. pp. 21-25.

72-0011 Herlinveaux, R.H. and S.E.G. Wilson, 1974. Oceanographic observations in the Canadian Arctic, September 1972. Env. Can., Fisheries and Marine Service, Marine Sciences Directorate, Pacific Region, Victoria, B.C., Pacific Marine Science Report. 24 p.

72-0017 Levy, E.M. and J.D. Moffat, 1975. Floating petroleum residues in the North Atlantic (1971-1974). Bedford Institute of Oceanography. 56 p.

Levy, E.M. and A. Walton, 1976. High seas oil pollution: particulate petroleum residues in the North Atlantic. J. Fish. Res. Board Canada 33. pp. 2781-2791.

72-0119 Smith, R.W., 1974. Sedimentological – micropaleontological analysis of bottom sediments from Resolute Bay. The James Allister MacInnis Foundation Arctic diving expeditions. Vol. III. 140 p.

73-0005 Codispoti, L.A. and T.G. Owens, 1975. Nutrient transports through Lancaster Sound in relation to the Arctic Ocean's reactive silicate budget and the outflow of Bering Strait waters. Limnol. and Oceanog. 20:. pp 115-119.

73-0006 Herlinveaux, R.H., D.B. Fissel, and S.E.G. Wilson, 1978. Oceanographic observations in Barrow Strait and Wellington Channel, N.W.T., April 1973. Inst. of Ocean Sciences, Sidney, B.C. Pac. Marine Science Rep. 78-4. 170 p.

73-0009A Levy, E.M. and J.D. Moffat, 1975. Floating petroleum residues in the North Atlantic (1971-1974). Bedford Institute of Oceanography. 56 p.

Levy, E.M. and A. Walton, 1976. High seas oil pollution: particulate petroleum residues in the North Atlantic. J. Fish. Res. Board Canada 33. pp. 2781-2791.

73-0013 Thomson, D., S. Woods, and J. Acreman, 1975. Marine ecology survey in the central portion of the Canadian Arctic Islands, 1974. Marine Sciences Centre, McGill University report for Polar Gas Project, Toronto. 77 p.

74-0012 Taylor, R.B., 1975. Coastal investigations of northern Somerset Island and Barrow Strait, District of Franklin. Energy, Mines and Resources, Geol. Survey of Canada, Ottawa. Paper 75-1. pp. 501-504.

74-0013A Bedford Institute of Oceanography, 1974. Cruise Report No. 74-026, Part 1. Atl. Geoscience Centre, Dartmouth, N.S. 25 p.

Levy, E.M. and J.D. Moffat, 1975. Floating petroleum residues in the North Atlantic (1971-1974). Bedford Institute of Oceanography. 56 p.

Levy, E.M. and A. Walton, 1976. High seas oil pollution: particulate petroleum residues in the North Atlantic. J. Fish. Res. Board Canada 33. pp. 2781-2791.

74-0013B Bedford Institute of Oceanography, 1974. Cruise Report No. 74-026, Part 1. Atl. Geoscience Centre, Dartmouth, N.S. 25 p.

Thomson, D., S. Woods, and J. Acreman, 1975. Marine ecology survey in the central portion of the Canadian Arctic Islands, 1974. Marine Sciences Centre, McGill University report for Polar Gas Project, Toronto. 77 p.

74-0014 Thomson, D., S. Woods, and J. Acreman, 1975. Marine ecology survey in the central portion of the Canadian Arctic Islands, 1974. Marine Sciences Centre, McGill University report for Polar Gas Project, Toronto. 77 p.

74-0015 B.C. Research, 1975. Baseline survey of the marine environment at Strathcona Sound, N.W.T. Unpubl. Prog. Rep. No. 1 for Strathcona Mineral Services. Vancouver, B.C. 84 p.

Barber, F.G. and T.S. Murty, 1975. A preliminary note on the oceanography of Strathcona Sound. Marine Sciences Directorate. 23 p.

Gade, H.G., R.A. Lake, E.L. Lewis, and E.R. Walker, 1974. Oceanography of an Arctic bay. Deep Sea Res.(21). pp 547-571.

Walker, E.R., 1977. Aspects of oceanography in the Archipelago. Inst. of Ocean Sciences, Sidney, B.C. Note-3. 186 p.

75-0013 Sekerak, A.D., D. Thompson, H. Bain, and J. Acreman, 1976. Summer surveys of the marine ecology of Creswell Bay, Cornwallis Island, N.W.T. 1975. Unpub. Rep. by LGL, Toronto for the Polar Gas Project.

75-0014 Serson, H.V., 1976. An oceanographic survey of Fury and Hecla Strait. Defence Research Establishment Ottawa, Tech. Note 76-14. 45 p.

76-0007 Sadler, H.E., H.V. Serson, and R.K. Chow, 1979. The oceanography of Fury and Hecla Strait. Def. Res. Est. Pacific, Victoria, B.C. Tech. Mem. 79-11. 61 p. plus appendices.

76-0008B Fissel, D.B., 1981. Processing and analysis of current meter data on Lancaster Sound, 1976. Unpub. Rep. by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alta.

Oceanographic Services Inc., 1976. Wave and current measuring program in Lancaster Sound, summer 1976. Report #4564 by OSI for Norlands Petroleum Ltd. unnumbered pages.

76-0009 Morison, S.R. and R.B. Taylor, 1978. Physical characteristics and seasonal changes in an Arctic estuarine environment. In Current Res., Part B, Energy, Mines & Resources, Geol. Survey of Canada, Ottawa. paper 78-1B. pp. 101-106.

76-0010 Bain, H., D. Thompson, M. Foy, and W. Griffiths, 1977. Marine ecology of fast-ice edges in Wellington Channel and Resolute Passage, N.W.T. Unpubl. rep. by LGL, Toronto for the Polar Gas Project. 262 p.

76-0011 Bedford Institute of Oceanography, 1976. Cruise Report No. 76-023. Atl. Geoscience Centre, Dartmouth, N.S. 9 p.

77-0012 Peck, G.S., 1978. Arctic oceanographic data report, 1977. Viscount Melville Sound. Ocean and Aquatic Sciences, Central Region. Data Rep. Ser. No. 78-3. 150 p., illustrations.

Peck, G.S., 1977. Arctic oceanographic survey, 1977. Ocean and Aquatic Sciences, Central Region, Burlington. Field Rep. Ser. No. 77-2. 39 p.

77-0013 Fissel, D.B. and G.R. Wilton, 1978. Subsurface current measurements in eastern Lancaster Sound, N.W.T. - Summer 1977. Contractor Report Series 78-3 by Arctic Sciences Ltd., Sidney, B.C. for Institute of Ocean Sciences, Sidney, B.C. 72 p.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

77-0014 Bedford Institute of Oceanography, 1977. Cruise Report No. 77-024. Atl. Ocean. Lab., Dartmouth, N.S. 45 p.

77-0015 Thomson, D., W.E. Cross, H. Bain, and L. Patterson, 1978. Aspects of the spring and summer marine environment of Brentford Bay, Boothia Peninsula, N.W.T. Unpub. rep. by LGL, Toronto for the Polar Gas Project. 203 p.

77-0016 Buchanan, R.A., W.E. Cross, and D.H. Thompson, 1977. Survey of the marine environment of Bridport Inlet, Melville Island. Unpubl. rep. by LGL, Toronto for Petro-Canada Ltd., Calgary. 265 p.

77-0018 Fissel, D.B. and J.R. Marko, 1978. A surface current study of eastern Parry Channel, N.W.T. - summer, 1977. Contractor Report Series 78-4 by Arctic Sciences Ltd., Sidney, B.C. for Institute of Ocean Sciences, Sidney, B.C. 66 p.

78-0003 Greisman, P., 1978. Bridport Inlet, Melville Island - Physical oceanographic and ice surveys, February - June 1978. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Phoenix Ventures, Calgary, Alberta for Petro-Canada, Calgary, Alberta. 118 p.

78-0005 Birch, J.R., 1980b. Analysis of water level record for Johnson Bay, N.W.T., August 22, 1978 - May 12, 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data Report No. 6. 43 p.

Fissel, D.B. and G.R. Wilton, 1978. Subsurface current measurements in eastern Lancaster Sound, N.W.T. - Summer 1977. Contractor Report Series 78-3 by Arctic Sciences Ltd., Sidney, B.C. for Institute of Ocean Sciences, Sidney, B.C. 72 p.

Fissel, D.B. and J.R. Birch, 1980. Current profile measurements in western Baffin Bay and Lancaster Sound, summers of 1978 and 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 17 p plus appendices.

Fissel, D.B., 1980a. Satellite-tracked drifting buoy movements in Baffin Bay and Lancaster Sound, summer 1978 and 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data report No. 2. 40 p plus appendices.

Lemon, D.D., 1980. CTD data from western Baffin Bay and Lancaster Sound, 1978 and 1979. Unpub. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 52 p. plus appendices.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

Fissel, D.B., D.D. Lemon, and J.R. Birch, 1982. Major features of the summer near-surface circulation of western Baffin Bay, 1978 and 1979. Arctic (35). pp. 180-200.

Lemon, D.D. and D.B. Fissel, 1982. Seasonal variations in currents and water properties in northwestern Baffin Bay, 1978-1979. Arctic 35: pp. 211-218.

Marko, J.R., 1981. The ice environment of western Baffin Bay and Lancaster Sound. Unpub. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 195 p. plus appendices.

Marko, J.R., J.R. Birch, and M.A. Wilson, 1982. A study of long-term satellite-tracked iceberg drifts in Baffin Bay and Davis Strait. Arctic 35: pp. 234-240.

78-0006 Lake, R.A., 1978. An oceanographic study of Bridport Inlet, Melville Island, N.W.T., Part 1. Frozen Sea Research Group, Inst. of Ocean Sciences, Sidney, B.C. 12 p.

78-0007 Peck, G.S., 1980. Arctic oceanographic data report, 1978. Vol 2. Ocean and Aquatic Sciences, Central Region, Burlington. Data Rep. Ser. No. 80-1. 163 p., illustrations.

Prinsenberg, S.J., 1978. Arctic oceanographic data report 1978, Vol. 1. Ocean and Aquatic Sciences, Central Region, Burlington. Data Report Series 78-4. 211 p., illustrations.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

78-0008A Sekerak, A.D., R.A. Buchanan, W.B. Griffiths, and M.G. Foy, 1976. Biological oceanographic studies in Lancaster Sound, 1976. Unpub. rep. by LGL, Toronto, for Norlands Petroleum Ltd., Calgary. 243 p.

79-0011 Fissel, D.B. and G.R. Wilton, 1978. Subsurface current measurements in eastern Lancaster Sound, N.W.T. - Summer 1977. Contractor Report Series 78-3 by Arctic Sciences Ltd., Sidney, B.C. for Institute of Ocean Sciences, Sidney, B.C. 72 p.

Fissel, D.B. and J.R. Birch, 1980. Current profile measurements in western Baffin Bay and Lancaster Sound, summers of 1978 and 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 17 p plus appendices.

Fissel, D.B., 1980a. Satellite-tracked drifting buoy movements in Baffin Bay and Lancaster Sound, summer 1978 and 1979. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data report No. 2. 40 p plus appendices.

Lemon, D.D., 1980. CTD data from western Baffin Bay and Lancaster Sound, 1978 and 1979. Unpub. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 52 p. plus appendices.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

Fissel, D.B., D.D. Lemon, and J.R. Birch, 1982. Major features of the summer near-surface circulation of western Baffin Bay, 1978 and 1979. Arctic (35). pp. 180-200.

Lemon, D.D. and D.B. Fissel, 1982. Seasonal variations in currents and water properties in northwestern Baffin Bay, 1978-1979. Arctic 35: pp. 211-218.

Marko, J.R., 1981. The ice environment of western Baffin Bay and Lancaster Sound. Unpub. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 195 p. plus appendices.

Marko, J.R., J.R. Birch, and M.A. Wilson, 1982. A study of long-term satellite-tracked iceberg drifts in Baffin Bay and Davis Strait. Arctic 35: pp. 234-240.

79-0012 Kashino, R.K., 1979. Ocean current measurement program - Dolphin and Union Strait, N.W.T. Polar Gas Pipeline Survey. Submitted to Kenting Exploration Services Ltd., by Dobrocky Seatech Ltd., Sidney, B.C. Unpub. manuscript. 183 p.

79-0013 Polar Gas Project, 1979. M'Clure Strait marine geophysical investigation - April 1979. By Polar Gas Project, Toronto, Ontario for Combined Pipeline System Study. 73 p.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

79-0014 Lake, R.A., 1979. An oceanographic study of Bridport Inlet, Melville Island, N.W.T., Parts 2 and 3, March - August 1979. Frozen Sea Research Group, Inst. of Ocean Sciences, Sidney, B.C. Part 2: 59 p., Part 3: 288 p.

79-0015 Birch, J.R., 1980a. 1979 Nearshore studies of the physical oceanography of Cape Warrender, Cape Fanshawe and Cape Hay. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. Data Report No. 5. 129 p.

79-0016 Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

80-0007 Bedford Institute of Oceanography, 1980. Cruise Report No. 80-027. Dartmouth, N.S. 38 p.

80-0008 Fissel, D.B. and J.R. Birch, 1981. A physical oceanographic study of northwestern Baffin Bay, summer 1980. Unpubl. manuscript by Arctic Sciences Ltd., Sidney, B.C. for Petro-Canada Ltd., Calgary, Alberta. 455 p.

80-0009 Greisman, P., 1983. The physical oceanography of Bridport Inlet, N.W.T. Volume I of II, Analysis and interpretation. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 9 (Vol. 1). 163 p.

Greisman, P., 1983. The physical oceanography of Bridport Inlet, N.W.T. Volume II of II; Individual CTD casts. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 9 (Vol. 2). 426 p.

80-0010 Lemon, D.D., M.A. Wilson, and L.E. Cuypers, 1981. Measurements of wind, ice and surface-layer drift in Viscount Melville Sound - summer 1980. Unpub. rep. by Arctic Sciences Ltd., Sidney, B.C. for Dome Petroleum Ltd., Calgary, Alberta. 152 p. plus appendices.

80-0011 Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

81-0007 Brooks, D.J., 1981. Arctic oceanographic survey, Barrow Strait - 1981 field report. Ocean and Aquatic Sciences, Ocean. Div., Bayfield Laboratory, Burlington, Ontario. Unpubl. manuscript. 66 p.

Prinsenberg, S.J. and D. Sosnoski, 1983a. Arctic Oceanographic Data Report 1981, Vol. 1. Dept. of Ocean Science and Surveys, Bayfield lab. for Marine Science and Surveys, Burlington, Ontario. Data Report Series No. 83-2

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

82-0002 Prinsenberg, S.J. and D. Sosnoski, 1983b. Arctic Oceanographic Data Report 1982, Vol 1. Dept. of Ocean Science and Surveys, Bayfield Lab. for Marine Science and Surveys, Burlington, Ontario. Data Report Series No. 83-3.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

82-0003 Fissel, D.B., D.N. Knight, and J.R. Birch, 1984. An oceanographic survey of the Canadian Arctic Archipelago, March-April 1982. Can. Contract. Rep. Hydrogr. Ocean Sci. 15. 415 p.

82-0004 Buckingham, W.R., R.A. Lake, and H. Melling, 1985. Temperature and salinity measurements in the Northwest Passage in March and April, 1982. Can. Data Rep. Hydrogr. Ocean Sci.(39). 371 p.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Current and sea-level measurements in the Northwest Passage, April 1982 - March 1983. Can. Data Rep. Hydrogr. Ocean Sci (51) No. 1.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

82-0006 Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

82-0120 Thomas, D.J., P.E. Erickson, and J.D. Popham, 1983. Chemical and biological studies at Strathcona Sound, N.W.T., 1982. Unpub. Rep. by Arctic Laboratories Ltd. for Dept. of Indian Affairs & Northern Development. 119 p. plus appendices.

83-0008 Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Current and sea-level measurements in the Northwest Passage, April 1983 - March 1984. Can. Data Rep. Hydrogr. Ocean Sci (51) No. 2.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Temperature and salinity measurements in the Northwest Passage in March and April, 1983. Can. Data Rep. Hydrogr. Ocean Sci, (39).

83-0009 Brooks, D.J., 1983. Arctic Oceanographic Survey, Barrow Strait 1983 Field Report. Dept. of Fish. and Oceans, Bayfield Lab. for Marine Science and Surveys, Burlington, Ontario. Field Report Series No. 83-1.

Prinsenberg, S.J. and D. Sosnoski, 1983c. Arctic Oceanographic Data Report 1983, Barrow Strait, Vol 1. Unpub. man. prepared by Dept. of Ocean Science and Surveys, Bayfield Lab. DR 83-6. 344 p.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

83-0010 Fissel, D.B., D.D. Lemon, and D.N. Knight, 1984. An Oceanographic Survey of the Canadian Arctic Archipelago, March 1983. Can. Contr. Rep. Hydrogr. Ocean Sci. No. 16. 355 p.

83-0016 Frederking, R.M.W., J.B. Maxwell, and S. Prinsenberg, 1986. Overview of project to measure ice forces at Adams Island. Proceedings of the Can. East Coast Workshop on Sea Ice, Jan 7-9 1986. pp. 651-663.

Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

83-0017 Birch, J.R., D.B. Fissel, and D.D. Lemon, 1984. Water level and current data collected for IOS for use in a numerical tidal model of the Northwest Passage, Vol 1. Unpubl. manuscript prepared by Arctic Sciences Ltd., for the Institute of Ocean Sciences, Sidney, B.C. Available from Ocean Information library, IOS. unnumbered pages.

84-0050 Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Current and sea-level measurements in the Northwest Passage, April 1984 - March 1985. Can. Data Rep. Hydrogr. Ocean Sci (51) No. 3.

Buckingham, W.R., R.A. Lake, and H. Melling , (in prep.). Temperature and salinity measurements in the Northwest Passage in March and April, 1984. Can. Data Rep. Hydrogr. Ocean Sci, (39).

84-0051 Frederking, R.M.W., J.B. Maxwell, and S. Prinsenberg, 1986. Overview of project to measure ice forces at Adams Island. Proceedings of the Can. East Coast Workshop on Sea Ice, Jan 7-9 1986. pp. 651-663.

Shirasawa, K., 1986. Water stress and ocean current measurements under first-year sea ice in the Canadian Arctic. J. Geophys. Res. 91(C12). pp. 14305-14316.

84-0058 Fissel, D.B. and D.D. Lemon, 1985. Analysis of acoustic backscatter data, Barrow Strait, May 1984. Unpub. rep. by Arctic Sciences Ltd., Sidney, B.C. for the Institute of Ocean Sciences, Sidney, B.C. 38 p. plus unnumbered appendices.

11. DATA INVENTORY TABLE 2 - LISTINGS OF MEASUREMENT LOCATIONS AND OTHER PARAMETERS

This section contains detailed listings of measurement locations and times for each of the data sets plotted on the maps in Section 9. There are separate listings for temperature-salinity, current-meter, water-level and wave data. Listings are ordered by data-set number and sorted by date. An explanation of the format appears at the start of each listing. Only data collected within the area of this inventory are listed here; measurements taken elsewhere may be found in the inventories for those areas.

11.1 TEMPERATURE-SALINITY DATA

The listings contain the following information:

AREA	General area of station.
STN	Station number; wherever possible it is the station number assigned in the original data source.
LAT, LONG	In degrees and minutes.
YR	Year
MO	Month
DY	Day
HR	Hour; GMT unless specified otherwise
CAST TO	Maximum depth of data, in metres. Zero value implies a surface measurement.
WATER DEPTH	In metres, if available
PARAM MEAS	Parameters measured - conductivity, salinity, temperature. Each parameter measured is indicated by an 'X'. An 'X' under S indicates that salinity was measured by techniques such as titration. Most recent measurements are of the water conductivity ('X' under C), and salinity is then computed using the pressure, temperature and conductivity values.
INSTR	Instruments type: AAND - Aanderaa current meter BECK - Beckman BISS - Bisset Berman STD BOTT - bottle sample CTD - unspecified conductivity/temperature/depth meter CT12 - Applied Microsystems CTD-12 GLDL - Guildline CTD HYT - Hytech induction salinometer INTO - Interocean CTD YSI - Yellow Springs Instruments Co.
INT(HR)	The time period between repetitive sampling at the same station.
NO	The number of repetitive samples.

Blank entries indicate unavailable or inapplicable data.
? implies suspect data, such as a location which plots on land.

BOTTLE/CTD DATA SET NUMBER: 28-0001
YEAR:1928 VESSEL/AGENCY: GODTHAAB EXP.

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM			INSTR	INT	NO
		DEG MIN	DEG MIN	YR	MO	DY	HR	TO (M)	DEPTH (M)	MEAS C	S	T		HR	
LANCASTER SD.	122	74 26.0	081 50.0	28	08	20	?	700	735		X	X	BOTT		
LANCASTER SD.	123	74 22.0	081 54.0	28	08	20	?	660	700		X	X	BOTT		
LANCASTER SD.	124	74 16.0	081 56.0	28	08	20	?	750	770		X	X	BOTT		
LANCASTER SD.	125	74 10.0	081 59.0	28	08	20	?	650	670		X	X	BOTT		
LANCASTER SD.	126	74 03.0	082 02.0	28	08	20	?	620	650		X	X	BOTT		
LANCASTER SD.	127	73 56.0	082 06.0	28	08	20	?	675	700		X	X	BOTT		
LANCASTER SD.	128	73 53.0	082 08.0	28	08	20	?	775	775		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 35-0001
YEAR:1935 VESSEL/AGENCY: ST. ROCHE

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM			INSTR	INT	NO
		DEG MIN	DEG MIN	YR	MO	DY	HR	TO (M)	DEPTH (M)	MEAS C	S	T		HR	
CORONATION G.	1	68 24.0	113 50.0	35	08	31	?	1	?		X	X	BOTT		
CORONATION G.	2	68 06.0	110 35.0	35	09	11	?	1	?		X	X	BOTT		
CORONATION G.	3	68 56.0	108 20.0	35	09	12	?	1	?		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 37-0001
YEAR:1937 VESSEL/AGENCY: ST. ROCHE

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM			INSTR	INT	NO
		DEG MIN	DEG MIN	YR	MO	DY	HR	TO (M)	DEPTH (M)	MEAS C	S	T		HR	
CORONATION G.	8	68 20.0	113 45.0	37	07	11	?	1	?		X	X	BOTT		
DOLPHIN&UNION	10	68 51.0	114 51.0	37	07	15	?	1	?		X	X	BOTT		
DOLPHIN&UNION	11	69 07.0	116 00.0	37	07	16	?	1	?		X	X	BOTT		
DEASE STRAIT	1	68 58.0	106 20.0	37	07	25	?	1	?		X	X	BOTT		
CORONATION G.	2	67 46.0	112 40.0	37	07	27	?	1	?		X	X	BOTT		
CORONATION G.	3	67 53.0	115 00.0	37	07	28	?	1	?		X	X	BOTT		
DOLPHIN&UNION	4	68 45.0	114 25.0	37	07	29	?	1	?		X	X	BOTT		
DOLPHIN&UNION	5	69 03.0	115 37.0	37	08	02	?	1	?		X	X	BOTT		
CORONATION G.	6	68 16.0	114 00.0	37	08	09	?	1	?		X	X	BOTT		
CORONATION G.	7	68 18.0	113 55.0	37	08	10	?	1	?		X	X	BOTT		
CORONATION G.	9	68 26.0	113 55.0	37	08	12	?	1	?		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 46-0001
YEAR:1946 VESSEL/AGENCY: NORTHWIND

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM			INSTR	INT	NO
		DEG MIN	DEG MIN	YR	MO	DY	HR	TO (M)	DEPTH (M)	MEAS C	S	T		HR	
LANCASTER SD.	13	74 26.0	81 45.0	46	07	24	?	500	676		X	X	BOTT		
LANCASTER SD.	19	74 35.0	82 11.0	46	07	29	?	50	71		X	X	BOTT		
LANCASTER SD.	20	74 18.0	86 47.0	46	07	30	?	391	391		X	X	BOTT		
LANCASTER SD.	24	74 18.0	82 30.0	46	08	07	?	591	667		X	X	BOTT		
LANCASTER SD.	25	74 26.0	89 07.0	46	08	09	?	250	276		X	X	BOTT		

LANCASTER SD.	26	74 02.0	80 35.0	46	08	09	?	328	410		X	X	BOTT		
LANCASTER SD.	27	73 57.0	87 15.0	46	08	10	?	400	439			X	BOTT		
LANCASTER SD.	28	74 03.0	87 15.0	46	08	10	?	450	457		X	X	BOTT		
LANCASTER SD.	29	74 08.0	87 15.0	46	08	10	?	439	439		X	X	BOTT		
LANCASTER SD.	30	74 13.0	87 15.0	46	08	10	?	400	419		X	X	BOTT		
LANCASTER SD.	31	74 18.0	87 15.0	46	08	10	?	400	448		X	X	BOTT		
LANCASTER SD.	32	74 19.0	81 51.0	46	08	18	?	750	786		X	X	BOTT		
LANCASTER SD.	33	74 12.0	81 38.0	46	08	18	?	689	739		X	X	BOTT		
LANCASTER SD.	34	74 05.0	81 26.0	46	08	18	?	600	700		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 48-0001
YEAR:1948 VESSEL/AGENCY: EASTWIND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BARROW STRAIT	13	74 45.0	94 40.0	48	09	04	?	23	27		X	X	BOTT		
GULF BOOTHIA	14	71 11.0	89 07.0	48	09	08	?	91	100		X	X	BOTT		
FURY & HECLA	15	69 56.0	84 58.0	48	09	09	?	122	256		X	X	BOTT		
FURY & HECLA	16	69 44.0	83 39.0	48	09	09	?	30	?		X	X	BOTT		
FURY & HECLA	18	69 44.0	83 39.0	48	09	09	?	122	122		X	X	BOTT		
FURY & HECLA	17	69 44.0	83 39.0	48	09	10	?	107	119		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 50-0002
YEAR:1950 VESSEL/AGENCY: EDISTO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BARROW STRAIT	13	74 36.0	92 40.0	50	08	17	?	149	173		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 52-0003
YEAR:1952 VESSEL/AGENCY: EDISTO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BARROW STRAIT	35	74 37.0	94 42.0	52	08	08	?	100	120		X	X	BOTT		
VISC.MEL.SD.	36	74 50.0	101 45.0	52	08	09	?	150	182		X	X	BOTT		
VISC.MEL.SD.	37	74 57.0	108 52.0	52	08	11	?	50	63		X	X	BOTT		
VISC.MEL.SD.	38	74 56.0	105 05.0	52	08	12	?	100	100		X	X	BOTT		
VISC.MEL.SD.	39	74 53.0	102 48.0	52	08	12	?	100	128		X	X	BOTT		
VISC.MEL.SD.	40	74 46.0	101 22.0	52	08	12	?	100	128		X	X	BOTT		
BARROW STRAIT	41	74 38.0	96 32.0	52	08	13	?	200	256		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 53-0001
YEAR: 1953 VESSEL/AGENCY: BURTON IS.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
PR. WALES STR.	12	71	59.0	120	02.0	53	08	14	?	15	23		X	X	BOTT		
PR. WALES STR.	13	71	50.0	118	54.0	53	08	15	?	25	66		X	X	BOTT		
PR. WALES STR.	14	71	55.0	119	32.0	53	08	15	?	90	97		X	X	BOTT		
PR. WALES STR.	15	72	11.0	119	04.0	53	08	15	?	90	97		X	X	BOTT		
PR. WALES STR.	17	72	22.0	118	46.0	53	08	16	?	40	80		X	X	BOTT		
PR. WALES STR.	18	72	23.0	118	30.0	53	08	16	?	40	42		X	X	BOTT		
PR. WALES STR.	19	73	12.0	115	30.0	53	08	20	?	40	53		X	X	BOTT		
PR. WALES STR.	20	73	11.0	115	35.0	53	08	20	?	80	86		X	X	BOTT		
PR. WALES STR.	21	72	24.0	118	42.0	53	08	22	?	40	82		X	X	BOTT		
PR. WALES STR.	22	72	25.0	119	00.0	53	08	22	?	45	47		X	X	BOTT		
PR. WALES STR.	23	72	21.0	119	15.0	53	08	22	?	60	63		X	X	BOTT		
PR. WALES STR.	24	72	56.0	117	25.0	53	08	23	?	40	51		X	X	BOTT		
PR. WALES STR.	25	72	35.0	118	25.0	53	08	24	?	40	55		X	X	BOTT		
PR. WALES STR.	26	72	38.0	118	38.0	53	08	24	?	85	92		X	X	BOTT		
PR. WALES STR.	27	72	40.0	118	54.0	53	08	24	?	95	101		X	X	BOTT		
PR. WALES STR.	28	72	23.0	118	42.0	53	08	24	?	70	74		X	X	BOTT		
PR. WALES STR.	29	72	23.0	118	58.0	53	08	25	?	90	93		X	X	BOTT		
PR. WALES STR.	30	72	22.0	119	14.0	53	08	25	?	40	64		X	X	BOTT		
PR. WALES STR.	31	71	58.0	120	13.0	53	08	25	?	70	75		X	X	BOTT		
PR. WALES STR.	32	71	56.0	119	38.0	53	08	25	?	115	120		X	X	BOTT		
PR. WALES STR.	33	71	53.0	119	08.0	53	08	25	?	15	26		X	X	BOTT		
PR. WALES STR.	36	71	28.0	120	35.0	53	08	25	?	40	80		X	X	BOTT		
PR. WALES STR.	37	73	24.0	115	05.0	53	08	31	?	40	54		X	X	BOTT		
PR. WALES STR.	38	73	21.0	115	03.0	53	08	31	?	80	86		X	X	BOTT		
PR. WALES STR.	39	73	14.0	115	30.0	53	08	31	?	40	109		X	X	BOTT		
PR. WALES STR.	40	73	05.0	116	38.0	53	09	01	?	40	115		X	X	BOTT		
PR. WALES STR.	41	73	02.0	116	34.0	53	09	01	?	140	150		X	X	BOTT		
PR. WALES STR.	42	73	01.0	116	28.0	53	09	01	?	42	42		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 54-0001
YEAR: 1954 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
PR.REG.INLET?	2	73	36.0	94	52.0	54	07	31	23	17	25		X	X	BOTT		
LANCASTER SD.	3	74	29.0	83	28.0	54	08	02	14	250	393		X	X	BOTT		
LANCASTER SD.	4	74	14.0	83	19.0	54	08	02	16	576	732		X	X	BOTT		
LANCASTER SD.	5	74	02.0	83	08.0	54	08	02	18	592	667		X	X	BOTT		
LANCASTER SD.	6	73	49.0	82	53.0	54	08	02	21	580	704		X	X	BOTT		
LANCASTER SD.	9	73	50.0	82	53.0	54	08	04	03	500	750		X	X	BOTT		
LANCASTER SD.	10	74	02.0	82	24.0	54	08	04	05	590	688		X	X	BOTT		
LANCASTER SD.	11	74	11.0	82	15.0	54	08	04	08	700	786		X	X	BOTT		
LANCASTER SD.	12	74	22.0	81	52.0	54	08	04	09	600	660		X	X	BOTT		
BARROW STRAIT	31	74	39.0	94	53.0	54	08	15	16	25	35		X	X	BOTT		
BARROW STRAIT	32	74	39.0	94	53.0	54	08	15	20	25	35		X	X	BOTT		
BARROW STRAIT	33	74	39.0	94	53.0	54	08	16	00	25	35		X	X	BOTT		
BARROW STRAIT	34	74	39.0	94	53.0	54	08	16	04	25	35		X	X	BOTT		
BARROW STRAIT	35	74	39.0	94	53.0	54	08	16	08	25	35		X	X	BOTT		
BARROW STRAIT	36	74	39.0	94	53.0	54	08	16	12	25	35		X	X	BOTT		
BARROW STRAIT	37	74	39.0	94	53.0	54	08	16	16	25	35		X	X	BOTT		
LANCASTER SD.	38	74	42.0	91	56.0	54	08	17	19	73	101		X	X	BOTT		
BARROW STRAIT	39	74	30.0	94	50.0	54	08	18	04	135	174		X	X	BOTT		
BARROW STRAIT	40	74	21.0	94	49.0	54	08	18	06	145	165		X	X	BOTT		
BARROW STRAIT	41	74	11.0	94	50.0	54	08	18	08	150	177		X	X	BOTT		
BARROW STRAIT	42	74	44.0	93	16.0	54	08	18	17	112	155		X	X	BOTT		
BARROW STRAIT	43	74	44.0	92	52.0	54	08	18	19	95	115		X	X	BOTT		
BARROW STRAIT	44	74	43.0	92	17.0	54	08	18	20	72	97		X	X	BOTT		
BARROW STRAIT	45	74	05.0	97	20.0	54	08	20	21	225	265		X	X	BOTT		
BARROW STRAIT	46	74	03.0	97	23.0	54	08	22	17	250	271		X	X	BOTT		
BARROW STRAIT	47	74	06.0	96	44.0	54	08	22	20	200	220		X	X	BOTT		
BARROW STRAIT	48	74	15.0	95	30.0	54	08	23	00	175	201		X	X	BOTT		
BARROW STRAIT	49	74	39.0	95	01.0	54	08	23	04	75	101		X	X	BOTT		

VISC. MEL. SD.	50	74	48.0	100	53.0	54	08	24	01	75	82		X	X	BOTT		
VISC. MEL. SD.	51	74	52.0	102	16.0	54	08	24	06	100	128		X	X	BOTT		
VISC. MEL. SD.	52	74	59.0	103	04.0	54	08	24	10	100	135		X	X	BOTT		
BYAM CHANNEL	53	75	07.0	104	54.0	54	08	25	02	75	?		X	X	BOTT		
BYAM CHANNEL	54	75	10.0	105	33.0	54	08	25	04	150	150		X	X	BOTT		
VISC. MEL. SD.	55	74	59.0	105	14.0	54	08	25	05	100	119		X	X	BOTT		
VISC. MEL. SD.	56	74	56.0	108	46.0	54	08	26	18	100	122		X	X	BOTT		
VISC. MEL. SD.	57	74	44.0	109	04.0	54	08	27	00	115	132		X	X	BOTT		
VISC. MEL. SD.	58	74	47.0	109	16.0	54	08	27	02	120	135		X	X	BOTT		
VISC. MEL. SD.	59	74	33.0	109	48.0	54	08	27	16	300	318		X	X	BOTT		
VISC. MEL. SD.	60	74	27.0	110	40.0	54	08	27	23	325	357		X	X	BOTT		
VISC. MEL. SD.	61	74	27.0	110	40.0	54	08	28	02	325	357		X	X	BOTT		
VISC. MEL. SD.	62	74	08.0	110	40.0	54	08	28	10	450	497		X	X	BOTT		
VISC. MEL. SD.	63	73	55.0	111	03.0	54	08	28	14	475	512		X	X	BOTT		
VISC. MEL. SD.	64	73	08.0	112	48.0	54	08	30	00	50	57		X	X	BOTT		
PR. WALES STR.	65	73	21.0	115	13.0	54	08	30	14	67	82		X	X	BOTT		
PR. WALES STR.	66	73	24.0	115	22.0	54	08	30	15	35	44		X	X	BOTT		
PR. WALES STR.	67	73	27.0	115	11.0	54	08	30	17	30	30		X	X	BOTT		
PR. WALES STR.	68	73	24.0	115	15.0	54	08	30	18	60	71		X	X	BOTT		
PR. WALES STR.	69	73	20.0	115	06.0	54	08	30	19	70	91		X	X	BOTT		
PR. WALES STR.	70	73	15.0	116	26.0	54	08	31	01	60	71		X	X	BOTT		
PR. WALES STR.	71	73	14.0	116	31.0	54	08	31	03	60	71		X	X	BOTT		
PR. WALES STR.	72	73	11.0	116	21.0	54	08	31	04	55	73		X	X	BOTT		
PR. WALES STR.	73	73	08.0	116	14.0	54	08	31	05	47	58		X	X	BOTT		
PR. WALES STR.	74	73	17.0	115	55.0	54	08	31	06	50	60		X	X	BOTT		
PR. WALES STR.	75	73	13.0	115	48.0	54	08	31	08	72	91		X	X	BOTT		
PR. WALES STR.	76	73	10.0	116	22.0	54	09	02	13	75	91		X	X	BOTT		
PR. WALES STR.	77	72	57.0	117	19.0	54	09	05	00	35	42		X	X	BOTT		
PR. WALES STR.	78	72	56.0	117	26.0	54	09	05	04	123	146		X	X	BOTT		
PR. WALES STR.	79	72	53.0	117	38.0	54	09	05	08	106	137		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 54-0002
YEAR:1954 VESSEL/AGENCY: BURTON IS.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
M'CLURE STRAIT	7	73	27.0	115	03.0	54	08	11	?	40	45		X	X	BOTT		
M'CLURE STRAIT	8	73	27.0	115	04.0	54	08	11	?	25	30		X	X	BOTT		
VISC. MEL. SD.	9	74	30.0	113	47.0	54	08	13	?	130	145		X	X	BOTT		
VISC. MEL. SD.	10	74	24.0	113	50.0	54	08	13	?	350	362		X	X	BOTT		
VISC. MEL. SD.	11	73	57.0	114	24.0	54	08	14	?	475	493		X	X	BOTT		
VISC. MEL. SD.	12	73	27.0	114	42.0	54	08	15	?	89	100		X	X	BOTT		
M'CLURE STRAIT	13	73	56.0	115	50.0	54	08	15	?	400	430		X	X	BOTT		
M'CLURE STRAIT	14	73	48.0	116	06.0	54	08	15	?	120	130		X	X	BOTT		
M'CLURE STRAIT	15	74	37.0	117	22.0	54	08	17	?	450	480		X	X	BOTT		
M'CLURE STRAIT	16	74	25.0	117	09.0	54	08	18	?	475	493		X	X	BOTT		
M'CLURE STRAIT	17	74	09.0	115	55.0	54	08	18	?	450	485		X	X	BOTT		
VISC. MEL. SD.	18	73	39.0	114	34.0	54	08	19	?	290	315		X	X	BOTT		
VISC. MEL. SD.	19	74	24.0	112	30.0	54	08	19	?	220	235		X	X	BOTT		
VISC. MEL. SD.	20	74	59.0	108	50.0	54	08	24	?	40	48		X	X	BOTT		
VISC. MEL. SD.	21	74	59.0	108	50.0	54	08	25	?	40	48		X	X	BOTT		
VISC. MEL. SD.	22	74	59.0	108	50.0	54	08	25	?	40	48		X	X	BOTT		
VISC. MEL. SD.	23	74	59.0	108	50.0	54	08	25	?	30	48		X	X	BOTT		
VISC. MEL. SD.	24	74	51.0	109	21.0	54	08	27	?	45	55		X	X	BOTT		
VISC. MEL. SD.	25	74	40.0	110	36.0	54	08	27	?	45	45		X	X	BOTT		
VISC. MEL. SD.	26	74	33.0	110	06.0	54	08	27	?	250	266		X	X	BOTT		
VISC. MEL. SD.	27	74	31.0	111	30.0	54	08	28	?	90	98		X	X	BOTT		
VISC. MEL. SD.	28	74	24.0	111	33.0	54	08	28	?	325	329		X	X	BOTT		
VISC. MEL. SD.	29	74	06.0	111	33.0	54	08	28	?	490	493		X	X	BOTT		
VISC. MEL. SD.	30	73	47.0	111	33.0	54	08	28	?	275	285		X	X	BOTT		
VISC. MEL. SD.	31	73	32.0	111	27.0	54	08	28	?	175	179		X	X	BOTT		
VISC. MEL. SD.	32	73	15.0	113	03.0	54	08	30	?	199	201		X	X	BOTT		
VISC. MEL. SD.	33	73	33.0	113	07.0	54	08	30	?	165	170		X	X	BOTT		
VISC. MEL. SD.	34	73	51.0	112	27.0	54	08	30	?	417	430		X	X	BOTT		
VISC. MEL. SD.	35	73	45.0	113	45.0	54	08	30	?	388	435		X	X	BOTT		
VISC. MEL. SD.	36	73	25.0	114	13.0	54	08	31	?	34	38		X	X	BOTT		
VISC. MEL. SD.	37	73	27.0	114	29.0	54	08	31	?	68	76		X	X	BOTT		
M'CLURE STRAIT	38	73	07.0	116	39.0	54	09	04	?	70	70		X	X	BOTT		
M'CLURE STRAIT	39	73	14.0	116	18.0	54	09	04	?	70	70		X	X	BOTT		
M'CLURE STRAIT	40	73	11.0	116	16.0	54	09	04	?	70	70		X	X	BOTT		
M'CLURE STRAIT	41	73	03.0	116	46.0	54	09	05	?	75	75		X	X	BOTT		
PR. WALES STR.	42	72	19.0	119	20.0	54	09	06	?	60	65		X	X	BOTT		
PR. WALES STR.	43	72	22.0	118	55.0	54	09	06	?	80	80		X	X	BOTT		
PR. WALES STR.	44	72	22.0	118	34.0	54	09	06	?	30	38		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 54-0003
YEAR:1954 VESSEL/AGENCY: NORTHWIND

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
M'CLURE STRAIT	8	74	35.0	121	27.0	54	08	14	?	197	243		X	X	BOTT	
M'CLURE STRAIT	9	74	12.0	119	02.0	54	08	15	?	50	57		X	X	BOTT	
M'CLURE STRAIT	10	74	25.0	118	24.0	54	08	16	?	400	448		X	X	BOTT	
M'CLURE STRAIT	11	74	16.0	117	33.0	54	08	16	?	300	351		X	X	BOTT	
M'CLURE STRAIT	12	74	18.0	118	51.0	54	08	17	?	299	342		X	X	BOTT	
M'CLURE STRAIT	13	74	16.0	117	32.0	54	08	18	?	299	346		X	X	BOTT	
M'CLURE STRAIT	14	74	16.0	117	32.0	54	08	18	?	196	346		X	X	BOTT	
M'CLURE STRAIT	15	73	55.0	116	23.0	54	08	20	?	173	210		X	X	BOTT	
PR. WALES STR.	16	73	21.0	115	51.0	54	08	23	?	15	20		X	X	BOTT	
VISC. MEL. SD.	17	73	23.0	108	22.0	54	08	24	?	105	117		X	X	BOTT	
VISC. MEL. SD.	18	73	23.0	109	39.0	54	08	25	?	130	132		X	X	BOTT	
VISC. MEL. SD.	19	72	58.0	109	02.0	54	08	25	?	65	73		X	X	BOTT	
VISC. MEL. SD.	20	73	18.0	109	57.0	54	08	26	?	200	276		X	X	BOTT	
VISC. MEL. SD.	21	73	32.0	110	51.0	54	08	26	?	149	192		X	X	BOTT	
VISC. MEL. SD.	22	73	09.0	111	24.0	54	08	26	?	198	249		X	X	BOTT	
VISC. MEL. SD.	23	72	59.0	112	55.0	54	08	28	?	39	42		X	X	BOTT	
PR. WALES STR.	24	72	46.0	118	07.0	54	09	03	?	30	44		X	X	BOTT	
PR. WALES STR.	25	72	05.0	119	00.0	54	09	05	?	40	44		X	X	BOTT	
PR. WALES STR.	26	72	01.0	119	42.0	54	09	06	?	90	104		X	X	BOTT	
PR. WALES STR.	27	71	58.0	119	08.0	54	09	06	?	40	50		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 54-0004
YEAR:1954 VESSEL/AGENCY: MCGILL U.

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
CORONATION G.	1	68	08.0	114	25.0	54	05	28	12	100	?		X	X	BOTT	
DEASE STRAIT	2	69	05.0	105	45.0	54	08	10	12	80	85		X	X	BOTT	
ADMIRALTY IN.	3	73	02.0	85	05.0	54	09	22	12	90	95		X	X	BOTT	
ADMIRALTY IN.	4	73	02.0	85	05.0	54	10	28	12	90	95		X	X	BOTT	
ADMIRALTY IN.	5	73	00.0	85	10.0	54	11	18	12	100	?		X	X	BOTT	
ADMIRALTY IN.	6	73	00.0	85	10.0	54	12	28	12	100	?		X	X	BOTT	
LANCASTER SD.	7	73	45.0	84	40.0	55	04	11	12	100	?		X	X	BOTT	
LANCASTER SD.	8	73	45.0	81	25.0	55	04	26	12	40	50		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 56-0001
YEAR:1956 VESSEL/AGENCY: REQUISITE

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
CORONATION G.	12	69	02.0	115	55.0	56	08	04	?	20	20		X	X	BOTT	
CORONATION G.	13	68	38.0	113	27.0	56	08	05	?	?	6		X	X	BOTT	
CORONATION G.	14	68	34.0	113	29.0	56	08	08	?	15	21		X	X	BOTT	
RAE STRAIT	15	68	28.0	97	49.0	56	08	14	?	15	17		X	X	BOTT	
RAE STRAIT	16	68	49.0	94	56.0	56	08	16	?	20	22		X	X	BOTT	
RAE STRAIT	17	68	37.0	95	05.0	56	08	17	?	75	86		X	X	BOTT	
RAE STRAIT	18	68	28.0	97	06.0	56	08	17	?	20	28		X	X	BOTT	
VICTORIA STR.	19	68	52.0	99	37.0	56	08	19	?	21	31		X	X	BOTT	
VICTORIA STR.	20	68	50.0	101	31.0	56	08	20	?	75	91		X	X	BOTT	
VICTORIA STR.	21	68	44.0	101	02.0	56	08	20	?	30	34		X	X	BOTT	
CAMBRIDGE BAY	22	68	51.0	105	00.0	56	08	21	?	50	60		X	X	BOTT	
CORONATION G.	23	68	29.0	110	00.0	56	08	22	?	50	65		X	X	BOTT	
CORONATION G.	24	68	33.0	113	29.0	56	08	22	?	15	21		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 56-0002
YEAR:1956 VESSEL/AGENCY: WOODS HOLE

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	1	74	45.0	95	15.0	56	07	?	?	?	?		X	X	BOTT		
BARROW STRAIT	1	74	45.0	95	15.0	56	08	?	?	?	?		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 56-0003
YEAR:1956 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
FURY & HECLA	146	69	54.0	84	03.0	56	09	16	23	60	77		X	X	BOTT		
GULF BOOTHIA	147	69	52.0	85	54.0	56	09	17	14	240	260		X	X	BOTT		
GULF BOOTHIA	148	69	53.0	86	31.0	56	09	17	17	200	219		X	X	BOTT		
GULF BOOTHIA	149	69	48.0	88	06.0	56	09	17	22	100	119		X	X	BOTT		
GULF BOOTHIA	150	69	41.0	89	28.0	56	09	18	01	30	40		X	X	BOTT		
GULF BOOTHIA	151	69	42.0	89	00.0	56	09	21	02	74	?		X	X	BOTT		
GULF BOOTHIA	152	69	56.0	88	45.0	56	09	21	05	91	101		X	X	BOTT		
GULF BOOTHIA	153	70	14.0	88	30.0	56	09	21	07	129	172		X	X	BOTT		
GULF BOOTHIA	154	70	20.0	89	19.0	56	09	21	09	120	146		X	X	BOTT		
GULF BOOTHIA	155	70	19.0	90	17.0	56	09	21	11	146	166		X	X	BOTT		
GULF BOOTHIA	156	70	20.0	91	13.0	56	09	21	13	183	219		X	X	BOTT		
GULF BOOTHIA	157	70	48.0	91	54.0	56	09	21	16	156	192		X	X	BOTT		
GULF BOOTHIA	158	70	50.0	91	14.0	56	09	21	18	136	174		X	X	BOTT		
GULF BOOTHIA	159	70	55.0	90	39.0	56	09	21	19	135	159		X	X	BOTT		
GULF BOOTHIA	160	71	00.0	90	00.0	56	09	21	21	82	108		X	X	BOTT		
PR. REGENT IN.	161	71	55.0	90	34.0	56	09	22	02	173	209		X	X	BOTT		
PR. REGENT IN.	162	71	53.0	91	14.0	56	09	22	05	299	348		X	X	BOTT		
PR. REGENT IN.	163	71	51.0	92	10.0	56	09	22	07	188	218		X	X	BOTT		
PR. REGENT IN.	164	72	04.0	93	38.0	56	09	22	10	121	146		X	X	BOTT		
PR. REGENT IN.	165	71	59.0	93	40.0	56	09	22	11	99	128		X	X	BOTT		
PR. REGENT IN.	166	71	52.0	93	40.0	56	09	22	12	175	91		X	X	BOTT		
PR. REGENT IN.	167	71	47.0	93	15.0	56	09	22	13	74	82		X	X	BOTT		
PR. REGENT IN.	168	72	31.0	90	04.0	56	09	23	07	199	238		X	X	BOTT		
PR. REGENT IN.	169	72	36.0	90	57.0	56	09	23	09	298	384		X	X	BOTT		
PR. REGENT IN.	170	72	42.0	91	44.0	56	09	23	11	246	269		X	X	BOTT		
PR. REGENT IN.	171	73	16.0	90	49.0	56	09	23	16	290	337		X	X	BOTT		
PR. REGENT IN.	172	73	14.0	90	04.0	56	09	23	18	384	401		X	X	BOTT		
PR. REGENT IN.	173	73	12.0	89	28.0	56	09	23	20	362	454		X	X	BOTT		
PR. REGENT IN.	174	73	38.0	88	34.0	56	09	23	23	278	342		X	X	BOTT		
LANCASTER SD.	175	73	46.0	89	18.0	56	09	24	01	394	395		X	X	BOTT		
LANCASTER SD.	176	73	54.0	89	50.0	56	09	24	02	267	329		X	X	BOTT		
LANCASTER SD.	177	74	10.0	90	52.0	56	09	24	09	151	247		X	X	BOTT		
BARROW STRAIT	178	74	11.0	94	44.0	56	09	27	08	180	192		X	X	BOTT		
BARROW STRAIT	179	74	17.0	94	52.0	56	09	27	11	178	192		X	X	BOTT		
BARROW STRAIT	180	74	28.0	94	52.0	56	09	27	12	150	165		X	X	BOTT		
BARROW STRAIT	181	74	35.0	94	48.0	56	09	27	14	100	110		X	X	BOTT		
LANCASTER SD.	182	74	24.0	85	32.0	56	09	28	14	338	558		X	X	BOTT		
LANCASTER SD.	183	74	15.0	85	33.0	56	09	28	16	447	530		X	X	BOTT		
LANCASTER SD.	184	74	05.0	85	31.0	56	09	28	21	445	479		X	X	BOTT		
LANCASTER SD.	185	73	56.0	85	30.0	56	09	28	22	391	430		X	X	BOTT		
ADMIRALTY IN.	186	73	01.0	85	07.0	56	09	29	14	90	558		X	X	BOTT		
LANCASTER SD.	187	74	29.0	80	52.0	56	09	30	17	481	732		X	X	BOTT		
LANCASTER SD.	188	74	16.0	81	02.0	56	09	30	20	531	741		X	X	BOTT		
LANCASTER SD.	189	74	03.0	81	02.0	56	09	30	21	580	823		X	X	BOTT		
LANCASTER SD.	190	73	50.0	81	04.0	56	10	01	00	544	750		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 57-0001
YEAR:1957 VESSEL/AGENCY: SPAR

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
AMUNDSEN GULF	3	69	18.0	116	32.0	57	08	02	?	149	220		X	X	BOTT	
CORONATION G.	4	68	18.0	113	09.0	57	08	03	?	125	128		X	X	BOTT	
CORONATION G.	5	68	28.0	110	57.0	57	08	04	?	50	55		X	X	BOTT	
QUEEN MAUD G.	6	68	56.0	105	53.0	57	08	06	?	50	63		X	X	BOTT	
VICTORIA STR.	7	68	44.0	101	24.0	57	08	11	?	26	33		X	X	BOTT	
QUEEN MAUD G.	8	68	18.0	100	36.0	57	08	12	?	75	75		X	X	BOTT	
QUEEN MAUD G.	9	68	28.0	100	19.0	57	08	13	?	35	35		X	X	BOTT	
QUEEN MAUD G.	10	68	34.0	99	46.0	57	08	13	?	25	25		X	X	BOTT	
SIMPSON STR.	11	68	38.0	97	47.0	57	08	15	?	15	19		X	X	BOTT	
SIMPSON STR.	12	68	30.0	97	10.0	57	08	24	?	15	17		X	X	BOTT	
RAE STRAIT	13	68	32.0	95	14.0	57	08	31	?	40	46		X	X	BOTT	
RAE STRAIT	14	68	52.0	94	53.0	57	09	01	?	20	21		X	X	BOTT	
RAE STRAIT	15	69	20.0	94	56.0	57	09	01	?	80	85		X	X	BOTT	
RAE STRAIT	16	69	32.0	94	59.0	57	09	02	?	20	?		X	X	BOTT	
JAMES ROSS	17	69	53.0	96	46.0	57	09	03	?	30	33		X	X	BOTT	
LARSEN SOUND	18	70	14.0	97	30.0	57	09	03	?	89	95		X	X	BOTT	
BELLOT STRAIT	19	71	58.0	95	16.0	57	09	05	?	90	106		X	X	BOTT	
PR. REGENT IN.	20	72	16.0	91	20.0	57	09	07	?	300	393		X	X	BOTT	
PR. REGENT IN.	21	72	50.0	90	44.0	57	09	07	?	393	427		X	X	BOTT	
LANCASTER SD.	22	74	01.0	88	00.0	57	09	08	?	400	421		X	X	BOTT	
LANCASTER SD.	23	74	08.0	82	53.0	57	09	09	?	487	741		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 57-0003
YEAR:1957 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
LANCASTER SD.	35	74	01.0	89	46.0	57	08	20	11	200	247		X	X	BOTT	
LANCASTER SD.	36	73	52.0	88	51.0	57	08	20	13	363	439		X	X	BOTT	
LANCASTER SD.	37	73	42.0	87	46.0	57	08	20	14	200	236		X	X	BOTT	
PR. REGENT IN.	38	73	33.0	88	27.0	57	08	20	16	250	258		X	X	BOTT	
LANCASTER SD.	39	73	42.0	89	19.0	57	08	20	18	400	457		X	X	BOTT	
LANCASTER SD.	40	73	51.0	90	06.0	57	08	20	20	250	274		X	X	BOTT	
PR. REGENT IN.	41	73	14.0	91	03.0	57	08	21	00	250	289		X	X	BOTT	
PR. REGENT IN.	42	73	08.0	90	17.0	57	08	21	02	400	439		X	X	BOTT	
PR. REGENT IN.	43	73	02.0	89	28.0	57	08	21	04	150	183		X	X	BOTT	
PR. REGENT IN.	44	72	28.0	90	08.0	57	08	21	08	100	106		X	X	BOTT	
PR. REGENT IN.	45	72	18.0	90	16.0	57	08	21	11	50	73		X	X	BOTT	
PR. REGENT IN.	46	72	14.0	91	18.0	57	08	21	13	350	379		X	X	BOTT	
PR. REGENT IN.	47	72	14.0	92	11.0	57	08	21	16	90	101		X	X	BOTT	
PR. REGENT IN.	48	72	12.0	93	28.0	57	08	21	18	100	137		X	X	BOTT	
FRANKLIN STR.	49	71	57.0	95	27.0	57	08	25	01	50	51		X	X	BOTT	
FRANKLIN STR.	50	72	01.0	95	49.0	57	08	25	03	312	412		X	X	BOTT	
FRANKLIN STR.	51	72	05.0	96	08.0	57	08	25	05	400	430		X	X	BOTT	
FRANKLIN STR.	52	71	52.0	96	20.0	57	08	25	09	327	466		X	X	BOTT	
FRANKLIN STR.	53	71	48.0	96	00.0	57	08	25	10	400	430		X	X	BOTT	
FRANKLIN STR.	54	71	43.0	95	41.0	57	08	25	11	50	70		X	X	BOTT	
PR. REGENT IN.	55	72	11.0	93	16.0	57	08	26	06	120	137		X	X	BOTT	
PR. REGENT IN.	56	72	00.0	93	16.0	57	08	26	08	100	137		X	X	BOTT	
PR. REGENT IN.	57	71	47.0	93	16.0	57	08	26	09	75	75		X	X	BOTT	
PR. REGENT IN.	58	71	54.0	93	57.0	57	08	27	00	40	70		X	X	BOTT	
PR. REGENT IN.	59	72	28.0	90	07.0	57	08	27	14	100	104		X	X	BOTT	
PR. REGENT IN.	60	72	32.0	91	05.0	57	08	27	16	349	393		X	X	BOTT	
PR. REGENT IN.	61	72	41.0	92	03.0	57	08	27	19	200	223		X	X	BOTT	
BARROW STRAIT	62	74	10.0	92	27.0	57	08	28	11	150	150		X	X	BOTT	
BARROW STRAIT	63	74	19.0	92	14.0	57	08	28	12	200	216		X	X	BOTT	
BARROW STRAIT	64	74	30.0	92	08.0	57	08	28	14	150	183		X	X	BOTT	
LANCASTER SD.	65	74	41.0	91	59.0	57	08	28	15	100	110		X	X	BOTT	
BARROW STRAIT	66	74	40.0	92	30.0	57	08	28	16	120	132		X	X	BOTT	
BARROW STRAIT	67	74	39.0	92	58.0	57	08	28	18	150	152		X	X	BOTT	
BARROW STRAIT	68	74	39.0	93	31.0	57	08	28	19	150	177		X	X	BOTT	
BARROW STRAIT	69	74	30.0	93	26.0	57	08	28	20	150	165		X	X	BOTT	

BARROW STRAIT	70	74 22.0	93 26.0	57	08	28	21	150	165		X	X	BOTT
BARROW STRAIT	71	74 11.0	94 16.0	57	08	29	01	150	159		X	X	BOTT
BARROW STRAIT	72	74 19.0	94 19.0	57	08	29	02	150	157		X	X	BOTT
BARROW STRAIT	73	74 28.0	94 22.0	57	08	29	04	150	165		X	X	BOTT
BARROW STRAIT	74	74 36.0	94 24.0	57	08	29	05	100	119		X	X	BOTT
BARROW STRAIT	75	74 30.0	95 46.0	57	08	29	18	100	119		X	X	BOTT
BARROW STRAIT	76	74 38.0	94 52.0	57	08	30	00	100	100		X	X	BOTT
BARROW STRAIT	77	74 18.0	95 14.0	57	08	30	13	150	165		X	X	BOTT
BARROW STRAIT	78	74 05.0	95 16.0	57	08	30	15	150	168		X	X	BOTT
BARROW STRAIT	79	73 43.0	96 50.0	57	08	30	18	200	247		X	X	BOTT
BARROW STRAIT	80	73 43.0	96 20.0	57	08	30	20	200	247		X	X	BOTT
BARROW STRAIT	81	73 43.0	95 53.0	57	08	30	21	200	210		X	X	BOTT
PEEL SOUND	82	73 11.0	96 14.0	57	08	31	01	200	247		X	X	BOTT
FRANKLIN STR.	83	72 15.0	96 12.0	57	08	31	04	324	357		X	X	BOTT
LARSEN SOUND	84	70 56.0	96 54.0	57	09	04	00	75	86		X	X	BOTT
FRANKLIN STR.	85	71 01.0	97 20.0	57	09	04	02	75	88		X	X	BOTT
FRANKLIN STR.	86	71 09.0	98 00.0	57	09	04	04	100	130		X	X	BOTT
PR. REGENT IN.	87	71 46.0	93 22.0	57	09	08	02	50	70		X	X	BOTT
PR. REGENT IN.	88	71 46.0	92 23.0	57	09	08	04	100	124		X	X	BOTT
PR. REGENT IN.	89	71 47.0	91 18.0	57	09	08	06	300	311		X	X	BOTT
PR. REGENT IN.	90	71 47.0	90 11.0	57	09	08	08	40	46		X	X	BOTT
PR. REGENT IN.	91	71 21.0	90 07.0	57	09	08	11	40	42		X	X	BOTT
PR. REGENT IN.	92	71 16.0	90 58.0	57	09	08	13	150	174		X	X	BOTT
PR. REGENT IN.	93	71 10.0	91 47.0	57	09	08	14	200	219		X	X	BOTT
PR. REGENT IN.	94	71 04.0	92 51.0	57	09	08	16	75	77		X	X	BOTT
GULF BOOTHIA	95	70 37.0	91 58.0	57	09	08	19	200	210		X	X	BOTT
GULF BOOTHIA	96	70 42.0	91 09.0	57	09	08	20	125	146		X	X	BOTT
GULF BOOTHIA	97	70 47.0	90 22.0	57	09	08	22	100	128		X	X	BOTT
GULF BOOTHIA	98	70 52.0	89 33.0	57	09	09	00	75	119		X	X	BOTT
GULF BOOTHIA	99	70 27.0	88 49.0	57	09	09	02	50	59		X	X	BOTT
GULF BOOTHIA	100	70 23.0	89 40.0	57	09	09	05	100	128		X	X	BOTT
GULF BOOTHIA	101	70 16.0	90 26.0	57	09	09	08	125	146		X	X	BOTT
GULF BOOTHIA	102	70 13.0	91 10.0	57	09	09	11	100	108		X	X	BOTT
PR. REGENT IN.	103	71 11.0	89 50.0	57	09	09	23	75	77		X	X	BOTT
BARROW STRAIT	104	74 05.0	95 20.0	57	09	13	19	150	168		X	X	BOTT
BARROW STRAIT	105	74 05.0	96 05.0	57	09	13	21	170	192		X	X	BOTT
BARROW STRAIT	106	74 04.0	96 44.0	57	09	13	23	200	219		X	X	BOTT
LANCASTER SD.	126	74 29.0	90 00.0	57	09	18	00	250	274		X	X	BOTT
LANCASTER SD.	127	74 22.0	90 00.0	57	09	18	01	300	320		X	X	BOTT
LANCASTER SD.	128	74 14.0	90 02.0	57	09	18	03	200	238		X	X	BOTT
LANCASTER SD.	129	74 08.0	90 06.0	57	09	18	04	200	212		X	X	BOTT
LANCASTER SD.	130	73 49.0	87 11.0	57	09	19	03	230	283		X	X	BOTT
LANCASTER SD.	131	74 01.0	87 09.0	57	09	19	05	400	457		X	X	BOTT
LANCASTER SD.	132	74 13.0	87 10.0	57	09	19	06	307	424		X	X	BOTT
LANCASTER SD.	133	74 25.0	87 10.0	57	09	19	08	355	402		X	X	BOTT
LANCASTER SD.	134	73 50.0	84 53.0	57	09	20	15	261	344		X	X	BOTT
LANCASTER SD.	135	74 02.0	84 52.0	57	09	20	16	439	521		X	X	BOTT
LANCASTER SD.	136	74 15.0	84 54.0	57	09	20	18	500	530		X	X	BOTT
LANCASTER SD.	137	74 28.0	84 52.0	57	09	20	20	250	273		X	X	BOTT
LANCASTER SD.	138	74 28.0	82 47.0	57	09	20	23	585	668		X	X	BOTT
LANCASTER SD.	139	74 15.0	82 46.0	57	09	21	01	704	768		X	X	BOTT
LANCASTER SD.	140	74 01.0	82 46.0	57	09	21	03	600	673		X	X	BOTT
LANCASTER SD.	141	73 48.0	82 52.0	57	09	21	05	500	530		X	X	BOTT
LANCASTER SD.	142	73 45.0	80 12.0	57	09	23	14	500	635		X	X	BOTT
LANCASTER SD.	143	74 02.0	80 15.0	57	09	23	21	700	801		X	X	BOTT
LANCASTER SD.	144	74 18.0	80 13.0	57	09	23	23	571	704		X	X	BOTT
LANCASTER SD.	145	74 33.0	80 21.0	57	09	24	02	500	640		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 59-0002
YEAR:1959 VESSEL/AGENCY: STATEN IS.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
CORONATION G.	14	68 26.0	113 11.0	59	08	16	?	100	104	X		X	BOTT		
DOLPHIN&UNION	15	69 01.0	116 47.0	59	07	25	?	134	163	X		X	BOTT		
DOLPHIN&UNION	16	69 12.0	116 39.0	59	08	25	?	205	218	X		X	BOTT		
DOLPHIN&UNION	17	69 19.0	116 30.0	59	08	25	?	215	223	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 59-0003
YEAR: 1959 VESSEL/AGENCY: PAC.NAVAL LAB

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	1	74	43.49	096	23.0	59	05	07	?	200	210		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 60-0004
YEAR: 1960 VESSEL/AGENCY: THETA

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
LANCASTER SD.	1	74	28.0	82	48.0	60	08	22	00	600	684	X		X	BOTT		
LANCASTER SD.	2	74	15.0	82	47.0	60	08	22	03	673	786	X		X	BOTT		
LANCASTER SD.	3	74	01.0	82	47.0	60	08	22	06	376	695	X		X	BOTT		
LANCASTER SD.	4	73	48.0	82	47.0	60	08	22	09	500	512	X		X	BOTT		
LANCASTER SD.	5	74	28.0	81	36.0	60	09	23	12	600	655	X		X	BOTT		
LANCASTER SD.	6	74	15.0	81	32.0	60	09	23	16	700	805	X		X	BOTT		
LANCASTER SD.	7	74	01.0	81	32.0	60	09	23	19	592	711	X		X	BOTT		
LANCASTER SD.	8	73	48.0	81	34.0	60	09	23	22	600	637	X		X	BOTT		
LANCASTER SD.	9	73	48.0	82	45.0	60	09	24	02	400	483	X		X	BOTT		
LANCASTER SD.	10	74	01.0	82	45.0	60	09	24	04	592	679	X		X	BOTT		
LANCASTER SD.	11	74	15.0	82	45.0	60	09	24	07	700	768	X		X	BOTT		
LANCASTER SD.	12	74	28.0	82	45.0	60	09	24	09	600	702	X		X	BOTT		
LANCASTER SD.	13	74	28.0	84	00.0	60	09	24	12	340	389	X		X	BOTT		
LANCASTER SD.	14	74	15.0	83	59.0	60	09	24	15	594	658	X		X	BOTT		
LANCASTER SD.	15	74	01.0	83	58.0	60	09	24	19	500	618	X		X	BOTT		
LANCASTER SD.	16	73	48.0	83	57.0	60	09	24	21	196	228	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 60-0005
YEAR: 1960 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	1	74	11.0	94	30.0	60	08	29	06	100	187		X	X	BOTT		
BARROW STRAIT	2	74	15.0	94	30.0	60	08	30	07	100	183		X	X	BOTT		
BARROW STRAIT	3	74	23.0	94	31.0	60	08	30	08	100	165		X	X	BOTT		
BARROW STRAIT	4	74	32.0	94	30.0	60	08	30	09	100	137		X	X	BOTT		
BARROW STRAIT	5	74	36.5	94	30.0	60	08	30	10	75	110		X	X	BOTT		
BARROW STRAIT	6	74	41.5	93	14.0	60	08	30	13	77	146		X	X	BOTT		
BARROW STRAIT	7	74	41.5	93	05.0	60	08	30	14	121	146		X	X	BOTT		
BARROW STRAIT	8	74	41.0	92	38.0	60	08	30	15	93	123		X	X	BOTT		
BARROW STRAIT	9	74	40.0	92	12.0	60	08	30	17	94	119		X	X	BOTT		
LANCASTER SD.	10	74	39.5	91	50.0	60	08	30	18	89	137		X	X	BOTT		
LANCASTER SD.	11	74	31.5	91	48.0	60	08	30	19	122	161		X	X	BOTT		
LANCASTER SD.	12	74	22.5	91	49.0	60	08	30	21	299	?		X	X	BOTT		
LANCASTER SD.	13	74	13.3	91	48.2	60	08	30	23	199	251		X	X	BOTT		
LANCASTER SD.	14	74	06.3	91	52.0	60	08	31	00	99	132		X	X	BOTT		
LANCASTER SD.	15	73	52.0	90	08.0	60	08	31	05	250	284		X	X	BOTT		
LANCASTER SD.	16	73	46.0	89	44.0	60	08	31	07	150	344		X	X	BOTT		
LANCASTER SD.	17	73	41.5	89	15.0	60	08	31	08	399	?		X	X	BOTT		
PR. REGENT IN.	18	73	35.8	88	48.0	60	08	31	10	349	377		X	X	BOTT		
PR. REGENT IN.	19	73	32.0	88	25.7	60	08	31	12	225	256		X	X	BOTT		
PR. REGENT IN.	20	73	26.0	90	58.0	60	09	02	17	249	260		X	X	BOTT		
PR. REGENT IN.	21	73	22.5	90	36.0	60	09	02	18	340	?		X	X	BOTT		
PR. REGENT IN.	22	73	18.5	90	03.0	60	09	02	20	475	501		X	X	BOTT		
PR. REGENT IN.	23	73	09.5	89	30.5	60	09	02	21	360	384		X	X	BOTT		
PR. REGENT IN.	24	73	08.5	89	20.0	60	09	02	23	190	220		X	X	BOTT		

PR. REGENT IN.	25	72	43.0	91	57.5	60	09	03	06	250	260		X	X	BOTT	
PR. REGENT IN.	26	72	39.0	91	10.0	60	09	03	08	398	448		X	X	BOTT	
PR. REGENT IN.	27	72	34.5	90	26.0	60	09	03	11	298	348		X	X	BOTT	
PR. REGENT IN.	28	72	32.5	90	10.0	60	09	03	14	222	?		X	X	BOTT	
FURY & HECLA	33	69	51.0	83	06.0	60	09	06	08	100	?		X	X	BOTT	
FURY & HECLA	34	69	55.3	84	18.0	60	09	06	11	75	91		X	X	BOTT	
FURY & HECLA	35	69	56.0	85	20.0	60	09	06	14	274	360		X	X	BOTT	
GULF BOOTHIA	36	69	47.5	87	23.0	60	09	06	18	199	238		X	X	BOTT	
GULF BOOTHIA	37	69	43.7	88	46.5	60	09	06	22	75	93		X	X	BOTT	
GULF BOOTHIA	38	70	02.0	88	46.0	60	09	07	00	100	128		X	X	BOTT	
GULF BOOTHIA	39	70	19.0	88	28.0	60	09	07	02	97	119		X	X	BOTT	
GULF BOOTHIA	40	70	19.0	89	17.0	60	09	07	04	130	146		X	X	BOTT	
GULF BOOTHIA	41	70	19.5	90	18.0	60	09	07	06	150	165		X	X	BOTT	
GULF BOOTHIA	42	70	19.5	90	58.0	60	09	07	12	179	201		X	X	BOTT	
PR. REGENT IN.	43	71	17.7	90	38.0	60	09	07	22	150	183		X	X	BOTT	
PR. REGENT IN.	44	71	48.0	91	05.0	60	09	08	03	270	302		X	X	BOTT	
FURY & HECLA	46	69	57.0	84	17.5	60	09	12	23	75	80		X	X	BOTT	
FURY & HECLA	47	69	54.3	84	21.7	60	09	13	00	130	141		X	X	BOTT	
LANCASTER SD.	48	74	25.3	87	13.5	60	09	15	10	400	421		X	X	BOTT	
LANCASTER SD.	49	74	14.5	87	12.0	60	09	15	12	400	443		X	X	BOTT	
LANCASTER SD.	50	73	54.0	87	11.0	60	09	15	14	376	476		X	X	BOTT	
LANCASTER SD.	51	73	50.0	87	10.0	60	09	15	16	216	238		X	X	BOTT	
LANCASTER SD.	52	74	26.3	81	49.5	60	09	16	13	400	?		X	X	BOTT	
LANCASTER SD.	53	74	18.0	81	54.0	60	09	16	14	748	?		X	X	BOTT	
LANCASTER SD.	54	74	05.5	81	47.0	60	09	16	15	705	750		X	X	BOTT	
LANCASTER SD.	55	73	57.0	81	50.0	60	09	16	17	504	?		X	X	BOTT	
LANCASTER SD.	56	73	47.0	81	54.0	60	09	16	19	94	?		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 61-0003
YEAR:1961 VESSEL/AGENCY: MACDONALD

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
BYAM CHANNEL	31	75	11.0	105	22.5	61	09	03	01	50	70			X	BOTT	
BYAM CHANNEL	32	75	10.4	105	39.5	61	09	03	03	50	55			X	BOTT	
BYAM CHANNEL	33	75	08.8	105	01.9	61	09	03	04	150	160			X	BOTT	
AUSTIN CHANNEL	34	75	05.3	103	22.5	61	09	03	13	100	100			X	BOTT	
AUSTIN CHANNEL	35	75	04.6	102	31.0	61	09	03	15	100	121			X	BOTT	
AUSTIN CHANNEL	36	75	05.0	101	40.0	61	09	03	18	100	112			X	BOTT	
AUSTIN CHANNEL	37	75	04.5	100	55.0	61	09	03	20	75	75			X	BOTT	
PR. REGENT IN.	41	72	08.0	93	40.0	61	09	10	13	94	117	X		X	BOTT	
PR. REGENT IN.	42	72	00.0	93	40.0	61	09	10	14	91	124	X		X	BOTT	
PR. REGENT IN.	43	71	53.0	93	40.0	61	09	10	16	75	?	X		X	BOTT	
PR. REGENT IN.	44	71	47.0	93	25.0	61	09	10	17	68	?	X		X	BOTT	
PR. REGENT IN.	45	71	49.0	92	37.0	61	09	10	19	71	?	X		X	BOTT	
PR. REGENT IN.	46	71	51.0	91	50.0	61	09	10	20	181	229	X		X	BOTT	
PR. REGENT IN.	47	71	52.0	91	03.0	61	09	10	22	193	304	X		X	BOTT	
PR. REGENT IN.	48	71	54.0	90	17.0	61	09	11	00	49	80	X		X	BOTT	
PR. REGENT IN.	49	71	04.0	90	00.0	61	09	11	06	41	60	X		X	BOTT	
GULF BOOTHIA	50	70	56.0	90	40.0	61	09	11	09	57	84	X		X	BOTT	
GULF BOOTHIA	51	70	48.0	91	18.0	61	09	11	11	181	181	X		X	BOTT	
GULF BOOTHIA	52	70	50.0	91	58.0	61	09	11	13	84	96	X		X	BOTT	
GULF BOOTHIA	53	70	20.19	091	22.0	61	09	11	18	164	198	X		X	BOTT	
GULF BOOTHIA	54	70	19.49	090	40.0	61	09	11	19	35	146	X		X	BOTT	
GULF BOOTHIA	55	70	19.0	90	00.0	61	09	11	21	98	148	X		X	BOTT	
GULF BOOTHIA	56	70	18.0	89	15.0	61	09	11	23	91	139	X		X	BOTT	
GULF BOOTHIA	57	70	18.0	88	30.0	61	09	12	01	92	144	X		X	BOTT	
GULF BOOTHIA	58	70	00.0	88	40.0	61	09	12	03	92	143	X		X	BOTT	
GULF BOOTHIA	59	69	41.0	88	52.0	61	09	12	06	71	113	X		X	BOTT	
COMMITTEE BAY	60	69	22.0	89	04.0	61	09	12	09	49	80	X		X	BOTT	
GULF BOOTHIA	61	69	51.19	086	43.0	61	09	12	17	200	234	X		X	BOTT	
GULF BOOTHIA	62	69	54.0	85	40.0	61	09	12	21	198	230	X		X	BOTT	
FURY & HECLA	63	69	55.0	84	20.0	61	09	12	23	84	84	X		X	BOTT	
FURY & HECLA	64	69	50.0	83	00.0	61	09	13	12	100	161	X		X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 61-0004
YEAR:1961 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
M'CLURE STRAIT	9	74	28.5	115	05.0	61	08	28	19	400	485	X		X	BOTT		
M'CLURE STRAIT	10	74	28.0	115	05.0	61	08	29	14	300	485	X		X	BOTT		
M'CLURE STRAIT	11	74	31.0	115	33.0	61	08	29	18	450	483	X		X	BOTT		
M'CLURE STRAIT	12	74	28.5	115	31.0	61	08	29	20	100	476	X		X	BOTT		
M'CLURE STRAIT	13	74	28.2	115	30.8	61	08	29	23	100	474	X		X	BOTT		
M'CLURE STRAIT	14	74	27.0	115	30.0	61	08	31	06	450	491	X		X	BOTT		
M'CLURE STRAIT	15	74	25.0	115	26.5	61	08	31	14	98	485	X		X	BOTT		
M'CLURE STRAIT	16	74	21.3	115	18.2	61	09	01	21	450	494	X		X	BOTT		
M'CLURE STRAIT	17	74	22.0	115	09.0	61	09	02	14	450	488	X		X	BOTT		
VISC. MEL. SD.	18	74	25.3	111	54.5	61	09	04	21	300	329	X		X	BOTT		
VISC. MEL. SD.	19	74	46.0	101	13.0	61	09	05	14	99	115	X		X	BOTT		
BARROW STRAIT	20	74	35.5	94	30.0	61	09	07	02	99	110	X		X	BOTT		
BARROW STRAIT	21	74	30.0	94	30.0	61	09	07	04	140	155	X		X	BOTT		
BARROW STRAIT	22	74	23.0	94	31.0	61	09	07	06	150	174	X		X	BOTT		
BARROW STRAIT	23	74	17.0	94	30.0	61	09	07	09	150	184	X		X	BOTT		
BARROW STRAIT	24	74	11.8	94	32.2	61	09	07	11	150	183	X		X	BOTT		
BARROW STRAIT	25	74	41.0	93	14.0	61	09	07	15	100	128	X		X	BOTT		
BARROW STRAIT	26	74	41.0	92	52.0	61	09	07	17	100	137	X		X	BOTT		
BARROW STRAIT	27	74	41.0	92	32.0	61	09	07	18	125	144	X		X	BOTT		
BARROW STRAIT	28	74	41.0	92	10.0	61	09	07	19	100	130	X		X	BOTT		
LANCASTER SD.	29	74	41.0	91	55.0	61	09	07	20	125	141	X		X	BOTT		
LANCASTER SD.	30	74	32.5	91	51.0	61	09	07	21	140	155	X		X	BOTT		
LANCASTER SD.	31	74	07.3	91	46.5	61	09	08	00	140	159	X		X	BOTT		
LANCASTER SD.	32	74	19.0	91	55.0	61	09	08	02	200	228	X		X	BOTT		
LANCASTER SD.	33	74	23.0	91	55.0	61	09	08	04	250	311	X		X	BOTT		
LANCASTER SD.	34	74	24.5	87	10.0	61	09	09	06	400	454	X		X	BOTT		
LANCASTER SD.	35	74	12.0	87	12.0	61	09	09	08	400	446	X		X	BOTT		
LANCASTER SD.	36	74	02.0	87	11.0	61	09	09	10	450	485	X		X	BOTT		
LANCASTER SD.	37	73	50.2	87	10.0	61	09	09	12	250	300	X		X	BOTT		
PR. REGENT IN.	38	72	43.0	91	55.0	61	09	11	13	200	241	X		X	BOTT		
PR. REGENT IN.	39	72	40.0	91	26.0	61	09	11	16	297	333	X		X	BOTT		
PR. REGENT IN.	40	72	37.0	90	50.0	61	09	11	18	398	419	X		X	BOTT		
PR. REGENT IN.	41	72	34.0	90	25.0	61	09	11	20	300	346	X		X	BOTT		
PR. REGENT IN.	42	72	33.0	89	59.0	61	09	11	21	68	79	X		X	BOTT		
PR. REGENT IN.	43	73	06.0	89	20.0	61	09	12	02	173	201	X		X	BOTT		
PR. REGENT IN.	44	73	09.3	89	43.0	61	09	12	03	391	421	X		X	BOTT		
PR. REGENT IN.	45	73	12.5	90	08.0	61	09	12	05	500	508	X		X	BOTT		
PR. REGENT IN.	46	73	15.0	90	32.0	61	09	12	07	300	360	X		X	BOTT		
PR. REGENT IN.	47	73	17.0	90	58.0	61	09	12	09	250	285	X		X	BOTT		
LANCASTER SD.	48	73	52.0	90	07.0	61	09	13	00	197	241	X		X	BOTT		
LANCASTER SD.	49	73	48.0	89	40.0	61	09	13	03	295	347	X		X	BOTT		
LANCASTER SD.	50	73	43.0	89	16.0	61	09	13	05	446	474	X		X	BOTT		
PR. REGENT IN.	51	73	38.0	88	52.0	61	09	13	07	380	395	X		X	BOTT		
PR. REGENT IN.	52	73	33.0	88	26.0	61	09	13	09	200	267	X		X	BOTT		
LANCASTER SD.	53	73	50.0	87	10.0	61	09	13	13	275	296	X		X	BOTT		
LANCASTER SD.	54	74	04.0	87	10.0	61	09	13	15	396	419	X		X	BOTT		
LANCASTER SD.	55	74	13.0	87	10.0	61	09	13	17	400	430	X		X	BOTT		
LANCASTER SD.	56	74	24.5	87	10.0	61	09	13	19	380	430	X		X	BOTT		
LANCASTER SD.	57	74	28.0	84	00.0	61	09	14	01	400	477	X		X	BOTT		
LANCASTER SD.	58	74	15.0	84	00.0	61	09	14	03	573	644	X		X	BOTT		
LANCASTER SD.	59	74	01.0	84	00.0	61	09	14	07	580	622	X		X	BOTT		
LANCASTER SD.	60	73	47.5	84	00.0	61	09	14	09	250	314	X		X	BOTT		
LANCASTER SD.	61	73	48.5	82	42.5	61	09	14	12	600	622	X		X	BOTT		
LANCASTER SD.	62	74	01.0	82	42.5	61	09	14	15	650	686	X		X	BOTT		
LANCASTER SD.	63	74	15.0	82	44.0	61	09	14	18	500	793	X		X	BOTT		
LANCASTER SD.	64	74	28.5	82	47.0	61	09	14	22	587	662	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 61-0005
YEAR:1961 VESSEL/AGENCY: POLAR SHELF

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
M'CLURE STRAIT	1	75	32.4	121	10.7	61	04	16	20	390	398		X	X	BOTT	
M'CLURE STRAIT	2	75	14.0	120	59.0	61	04	17	22	440	443		X	X	BOTT	
M'CLURE STRAIT	3	75	01.7	121	02.0	61	04	18	20	480	482		X	X	BOTT	
M'CLURE STRAIT	4	74	48.4	121	18.5	61	04	19	13	520	525		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 62-0001
YEAR:1962 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
PR.REGENT IN.	2003	72	45.50	094	07.00	62	06	23	?	30	?		X	X	BOTT	
BARROW STRAIT	4001	74	36.00	094	13.00	62	06	28	?	50	?		X	X	BOTT	
M'CLURE STRAIT	1001	74	07.00	119	47.00	62	06	30	?	2	?		X	X	BOTT	
BARROW STRAIT	4001	74	36.00	094	13.00	62	07	06	?	50	?		X	X	BOTT	
BARROW STRAIT	4001	74	36.00	094	13.00	62	07	13	?	50	?		X	X	BOTT	
M'CLURE STRAIT	1007	74	07.00	119	46.00	62	07	18	?	0	?			X	BOTT	
DEASE STRAIT	7006	69	24.30	106	19.50	62	07	22	?	3	?			X	BOTT	
PR.WALES.STR.T	1101	72	53.00	118	01.00	62	07	24	?	4	?		X	X	BOTT	
PR.WALES.STR.T	1100	72	53.00	118	01.00	62	07	25	?	20	?		X	X	BOTT	
BARROW STRAIT	4001	74	36.00	094	13.00	62	07	25	?	50	?		X	X	BOTT	
BARROW STRAIT	4009	74	37.50	094	26.30	62	07	25	?	10	?		X	X	BOTT	
DEASE STRAIT	7015	69	24.30	106	19.50	62	07	25	?	23	?		X	X	BOTT	
M'CLURE STRAIT	1013	74	20.00	119	46.00	62	08	02	?	40	?		X	X	BOTT	
M'CLURE STRAIT	1017	74	17.00	120	00.00	62	08	05	?	50	?		X	X	BOTT	
M'CLURE STRAIT	1018	74	21.00	120	25.00	62	08	06	?	50	?		X	X	BOTT	
BARROW STRAIT	4001	74	36.00	094	13.00	62	08	07	?	50	?		X	X	BOTT	
M'CLURE STRAIT	1003	74	03.50	119	43.00	62	08	09	?	1	?			X	BOTT	
PR.REGENT IN.	2008	72	45.50	094	04.50	62	08	13	?	36	?		X	X	BOTT	
BARROW STRAIT	4001	74	36.00	094	13.00	62	08	14	?	50	?		X	X	BOTT	
DEASE STRAIT	7309	69	10.00	106	20.00	62	08	27	?	38	?		X	X	BOTT	
DEASE STRAIT	7310	69	13.00	105	48.00	62	08	29	?	0	?			X	BOTT	
DEASE STRAIT	7311	69	13.00	105	48.00	62	08	29	?	0	?			X	BOTT	
DEASE STRAIT	7312	69	13.00	105	48.00	62	08	29	?	0	?			X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 62-0005A
YEAR:1962 VESSEL/AGENCY: ARCTIC UNIT

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
BARROW STRAIT	1	74	36.0	94	13.0	62	06	28	20	50	55		X	X	BOTT	
BARROW STRAIT	2	74	36.0	94	13.0	62	07	06	23	50	52		X	X	BOTT	
BARROW STRAIT	3	74	36.0	94	13.0	62	07	13	15	50	62		X	X	BOTT	
BARROW STRAIT	5	74	36.0	94	13.0	62	07	25	02	50	60		X	X	BOTT	
BARROW STRAIT	6	74	36.0	94	13.0	62	08	07	01	50	55		X	X	BOTT	
BARROW STRAIT	7	74	36.0	94	13.0	62	08	14	18	40	41		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 62-0005B
YEAR:1962 VESSEL/AGENCY: ARCTIC UNIT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
PR. WALES STR.	1	72 53.0	118 01.0	62 07 25 12	20	?		X	X	BOTT		
M'CLURE STRAIT	2	74 20.0	119 46.0	62 08 02 12	40	?		X	X	BOTT		
M'CLURE STRAIT	3	74 17.0	120 00.0	62 08 05 12	50	?		X	X	BOTT		
M'CLURE STRAIT	4	74 21.0	120 25.0	62 08 06 12	50	?		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 62-0005C
YEAR:1962 VESSEL/AGENCY: ARCTIC UNIT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
PR. REGENT IN.	1	72 45.0	94 04.0	62 06 23 23	33	34		X	X	BOTT		
PR. REGENT IN.	2	72 45.5	94 06.0	62 06 25 19	8	10		X	X	BOTT		
PR. REGENT IN.	3	72 45.3	94 06.0	62 06 27 22	34	35		X	X	BOTT		
PR. REGENT IN.	4	72 45.0	94 04.0	62 06 30 17	33	34		X	X	BOTT		
PR. REGENT IN.	5	72 45.5	94 04.5	62 07 03 18	43	44		X	X	BOTT		
PR. REGENT IN.	6	72 45.5	94 05.5	62 07 06 22	40	41		X	X	BOTT		
PR. REGENT IN.	7	72 45.0	94 04.0	62 07 07 18	32	34		X	X	BOTT		
PR. REGENT IN.	8	72 45.0	94 04.0	62 07 14 21	32	34		X	X	BOTT		
PR. REGENT IN.	9	72 45.0	94 04.0	62 07 21 18	45	46		X	X	BOTT		
PR. REGENT IN.	10	72 45.0	94 04.0	62 07 29 00	45	46		X	X	BOTT		
PR. REGENT IN.	11	72 45.0	94 04.0	62 08 04 16	40	41		X	X	BOTT		
PR. REGENT IN.	12	72 45.0	94 04.0	62 08 11 17	30	31		X	X	BOTT		
PR. REGENT IN.	13	72 46.0	94 17.0	62 08 13 19	61	62		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 62-0005D
YEAR:1962 VESSEL/AGENCY: ARCTIC UNIT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
DEASE STRAIT	1	69 24.3	06 19.5	62 08 09 12	23	25		X	X	BOTT		
DEASE STRAIT	2	69 10.0	106 20.0	62 08 27 23	38	?		X	X	BOTT		
DEASE STRAIT	3	69 07.0	105 10.0	62 09 07 12	49	50		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 62-0006
YEAR:1962 VESSEL/AGENCY: MACDONALD

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	1	74 26.0	87 00.0	62 08 05 23	250	428	X		X	BOTT		
LANCASTER SD.	2	74 15.0	87 00.0	62 08 06 01	300	424	X		X	BOTT		
LANCASTER SD.	3	74 04.0	87 00.0	62 08 06 02	400	474	X		X	BOTT		
LANCASTER SD.	4	73 53.0	87 00.0	62 08 06 04	300	360	X		X	BOTT		
PR. REGENT IN.	5	73 01.0	89 38.0	62 08 06 12	250	282	X		X	BOTT		
PR. REGENT IN.	6	73 11.0	90 08.0	62 08 06 14	400	476	X		X	BOTT		

PR. REGENT IN.	7	73 18.0	90 46.0	62	08	06	17	300	302	X		X	BOTT		
BARROW STRAIT	8	74 07.0	92 00.0	62	08	07	01	100	137	X		X	BOTT		
BARROW STRAIT	9	74 23.0	92 00.0	62	08	07	04	250	300	X		X	BOTT		
BARROW STRAIT	10	74 40.0	92 00.0	62	08	07	06	100	121	X		X	BOTT		
BARROW STRAIT	11	74 40.0	92 43.0	62	08	07	08	150	157	X		X	BOTT		
BARROW STRAIT	12	74 40.0	93 21.0	62	08	07	10	100	135	X		X	BOTT		
BARROW STRAIT	13	74 37.0	95 00.0	62	08	07	16	100	117	X		X	BOTT		
BARROW STRAIT	14	74 22.0	95 00.0	62	08	07	19	150	179	X		X	BOTT		
BARROW STRAIT	15	74 07.0	95 00.0	62	08	07	21	150	194	X		X	BOTT		
BARROW STRAIT	16	74 00.0	95 34.0	62	08	07	23	200	205	X		X	BOTT		
BARROW STRAIT	17	74 02.0	96 35.0	62	08	08	01	185	212	X		X	BOTT		
BARROW STRAIT	18	74 04.0	97 30.0	62	08	08	03	250	267	X		X	BOTT		
BARROW STRAIT	19	74 12.0	98 00.0	62	08	08	05	100	134	X		X	BOTT		
BARROW STRAIT	20	74 42.0	98 00.0	62	08	08	10	100	143	X		X	BOTT		
BARROW STRAIT	21	74 57.0	98 00.0	62	08	08	12	50	51	X		X	BOTT		
BARROW STRAIT	22	74 57.0	97 12.0	62	08	08	14	200	243	X		X	BOTT		
BARROW STRAIT	23	74 55.0	96 28.0	62	08	08	17	75	82	X		X	BOTT		
M'CLURE STRAIT	51	75 39.0	121 00.0	62	08	30	07	350	366	X		X	BOTT		
M'CLURE STRAIT	52	75 17.0	121 00.0	62	08	30	10	400	433	X		X	BOTT		
M'CLURE STRAIT	53	74 55.0	121 00.0	62	08	30	14	500	496	X		X	BOTT		
M'CLURE STRAIT	54	74 36.0	121 00.0	62	08	30	17	450	497	X		X	BOTT		
M'CLURE STRAIT	55	75 22.0	118 05.0	62	08	31	00	250	256	X		X	BOTT		
M'CLURE STRAIT	56	74 16.0	117 21.0	62	08	31	07	400	483	X		X	BOTT		
M'CLURE STRAIT	57	74 28.0	115 58.0	62	08	31	10	450	483	X		X	BOTT		
VISC. MEL. SD.	58	74 39.0	114 36.0	62	08	31	13	350	358	X		X	BOTT		
VISC. MEL. SD.	59	73 27.0	114 53.0	62	08	31	19	75	91	X		X	BOTT		
VISC. MEL. SD.	60	74 56.0	105 50.0	62	09	01	14	100	102	X		X	BOTT		
VISC. MEL. SD.	61	74 43.0	102 05.0	62	09	01	21	100	134	X		X	BOTT		
FRANKLIN STR.	62	71 56.0	96 06.0	62	09	03	13	400	443	X		X	BOTT		
FRANKLIN STR.	63	71 56.0	95 32.0	62	09	03	15	200	258	X		X	BOTT		
FRANKLIN STR.	64	71 20.0	97 00.0	62	09	03	21	200	225	X		X	BOTT		
M'CLINTOCK CH.	65	71 04.0	99 00.0	62	09	05	17	100	124	X		X	BOTT		
M'CLINTOCK CH.	66	71 04.0	100 00.0	62	09	05	20	100	143	X		X	BOTT		
M'CLINTOCK CH.	67	71 04.0	100 52.0	62	09	05	22	100	124	X		X	BOTT		
M'CLINTOCK CH.	68	71 43.0	100 51.0	62	09	06	11	75	84	X		X	BOTT		
M'CLINTOCK CH.	69	72 58.0	102 54.0	62	09	06	22	330	348	X		X	BOTT		
PR. REGENT IN.	70	72 00.0	93 40.0	62	09	08	15	120	124	X		X	BOTT		
PR. REGENT IN.	71	71 47.0	93 25.0	62	09	08	18	85	88	X		X	BOTT		
PR. REGENT IN.	72	71 51.0	91 49.0	62	09	08	21	200	229	X		X	BOTT		
PR. REGENT IN.	73	71 55.0	90 36.0	62	09	09	00	250	278	X		X	BOTT		
GULF BOOTHIA	74	70 20.0	91 21.0	62	09	09	18	190	194	X		X	BOTT		
GULF BOOTHIA	75	70 19.0	90 00.0	62	09	09	21	140	146	X		X	BOTT		
GULF BOOTHIA	76	70 18.0	88 32.0	62	09	10	01	135	141	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 62-0007
YEAR:1962 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
ADMIRALTY IN.	24	73 40.0	84 00.0	62	10	02	18	329	356	X		X	BOTT		
LANCASTER SD.	25	73 47.0	84 00.0	62	10	02	19	225	256	X		X	BOTT		
LANCASTER SD.	26	73 54.0	84 00.0	62	10	02	22	620	640	X		X	BOTT		
LANCASTER SD.	27	74 00.5	84 00.0	62	10	03	01	561	649	X		X	BOTT		
LANCASTER SD.	28	74 08.0	84 00.0	62	10	03	03	600	640	X		X	BOTT		
LANCASTER SD.	29	74 15.0	84 00.0	62	10	03	06	560	612	X		X	BOTT		
LANCASTER SD.	30	74 22.0	84 00.0	62	10	03	08	560	608	X		X	BOTT		
LANCASTER SD.	31	74 29.0	84 00.0	62	10	03	11	300	348	X		X	BOTT		
LANCASTER SD.	32	74 29.0	82 46.0	62	10	03	14	500	570	X		X	BOTT		
LANCASTER SD.	33	74 22.0	82 42.0	62	10	03	17	600	703	X		X	BOTT		
LANCASTER SD.	34	74 15.0	82 42.0	62	10	03	19	725	773	X		X	BOTT		
LANCASTER SD.	35	74 08.0	82 42.0	62	10	03	20	725	735	X		X	BOTT		
LANCASTER SD.	36	74 01.0	82 42.0	62	10	03	22	650	695	X		X	BOTT		
LANCASTER SD.	37	73 54.0	82 43.0	62	10	04	01	650	713	X		X	BOTT		
LANCASTER SD.	38	73 48.0	82 43.0	62	10	04	04	480	554	X		X	BOTT		
LANCASTER SD.	39	73 48.0	81 30.0	62	10	04	06	575	622	X		X	BOTT		
LANCASTER SD.	40	73 54.0	81 30.0	62	10	04	08	575	661	X		X	BOTT		
LANCASTER SD.	41	74 01.0	81 30.0	62	10	04	10	677	739	X		X	BOTT		
LANCASTER SD.	42	74 08.0	81 29.0	62	10	04	12	653	786	X		X	BOTT		
LANCASTER SD.	43	74 15.0	81 28.0	62	10	04	15	645	805	X		X	BOTT		
LANCASTER SD.	44	74 22.0	81 30.0	62	10	04	17	675	732	X		X	BOTT		
LANCASTER SD.	45	74 29.0	81 25.0	62	10	04	20	591	640	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 63-0004
YEAR:1963 VESSEL/AGENCY: MACDONALD

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
PR. REGENT IN.	1	73 07.0	90 48.0	63 09 04 18	328	352		X	X	BOTT	
PR. REGENT IN.	2	72 52.0	91 16.0	63 09 05 18	250	305		X	X	BOTT	
PR. REGENT IN.	3	72 34.0	91 37.0	63 09 06 19	259	287		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 64-0001
YEAR:1964 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
CORONATION G.	6	67 45.0	113 44.0	64 08 21 00	6	7	X		X	BOTT	
DEASE STRAIT	7	69 06.2	105 03.6	64 08 27 00	64	66	X		X	BOTT	
DEASE STRAIT	8	69 06.2	105 03.6	64 08 29 18	22	24	X		X	BOTT	
DEASE STRAIT	9	69 06.2	105 03.6	64 08 30 19	26	30	X		X	BOTT	
DEASE STRAIT	10	69 06.2	105 03.6	64 09 03 20	37	40	X		X	BOTT	
DEASE STRAIT	11	69 06.2	105 03.6	64 09 08 00	20	40	X		X	BOTT	
DEASE STRAIT	12	69 06.2	105 03.6	64 09 08 16	20	?	X		X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 64-0004
YEAR:1964 VESSEL/AGENCY: MACDONALD

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
VISC. MEL. SD.	1	74 52.5	101 03.0	64 08 26 21	130	142		X	X	BOTT	
VISC. MEL. SD.	2	74 51.5	101 41.0	64 08 27 19	150	173		X	X	BOTT	
VISC. MEL. SD.	3	74 56.0	102 54.0	64 08 28 14	150	171		X	X	BOTT	
VISC. MEL. SD.	4	74 56.2	103 52.5	64 08 28 18	100	140		X	X	BOTT	
VISC. MEL. SD.	6	74 51.0	106 48.0	64 08 29 20	175	104		X	X	BOTT	
VISC. MEL. SD.	7	74 44.0	109 36.0	64 08 30 16	130	148		X	X	BOTT	
VISC. MEL. SD.	8	74 42.0	109 50.0	64 08 31 17	150	162		X	X	BOTT	
VISC. MEL. SD.	9	75 00.0	105 26.0	64 09 03 22	200	223		X	X	BOTT	
VISC. MEL. SD.	10	74 59.5	105 26.5	64 09 04 00	225	239		X	X	BOTT	
VISC. MEL. SD.	11	74 59.0	105 28.0	64 09 04 02	225	239		X	X	BOTT	
VISC. MEL. SD.	12	74 58.0	105 28.0	64 09 04 04	100	228		X	X	BOTT	
VISC. MEL. SD.	13	74 58.0	105 29.0	64 09 04 06	175	219		X	X	BOTT	
VISC. MEL. SD.	14	74 57.2	105 30.5	64 09 04 08	180	215		X	X	BOTT	
VISC. MEL. SD.	15	74 57.0	105 31.0	64 09 04 10	175	201		X	X	BOTT	
VISC. MEL. SD.	16	74 56.5	100 52.0	64 09 05 01	197	219		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 65-0002
YEAR:1965 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
DEASE STRAIT	1006	69 06.3	105 02.2	65 07 29 19	38	39	X		X	BOTT	

DEASE STRAIT	1009	69 06.1	105 06.0	65	08	04	17	70	73	X		X	BOTT
DEASE STRAIT	1006	69 06.3	105 02.2	65	08	05	20	40	41	X		X	BOTT
DEASE STRAIT		68 20.0	107 38.0	65	08	10	18	12	13	X		X	BOTT
CORONATION G.	1019	67 43.6	108 04.0	65	08	11	02	200	230	X		X	BOTT
DEASE STRAIT	1021	67 09.5	107 25.0	65	08	13	18	34	35	X		X	BOTT
DEASE STRAIT	1037	67 53.8	107 49.0	65	08	18	04	110	115	X		X	BOTT
CORONATION G.	1044	68 18.2	109 15.0	65	08	23	16	120	123	X		X	BOTT
DEASE STRAIT	1047	69 10.0	105 50.0	65	08	27	18	50	51	X		X	BOTT
DEASE STRAIT		69 07.0	105 01.0	65	08	28	22	42	43	X		X	BOTT
DEASE STRAIT	1048	69 09.8	106 37.0	65	08	30	18	58	59	X		X	BOTT
DEASE STRAIT	1051	69 09.7	106 26.0	65	09	01	18	39	40	X		X	BOTT
DEASE STRAIT	1052	69 06.3	105 04.8	65	09	05	22	50	57	X		X	BOTT

BOTTLE/CTD DATA SET NUMBER: 65-0003
YEAR:1965 VESSEL/AGENCY: NRC

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM			INSTR	INT	NO
		DEG MIN	DEG MIN	YR	MO	DY	HR	TO	DEPTH	MEAS				HR	
								(M)	(M)	C	S	T			
STAN-FLET LAKE	1	72 42.0	94 30.0	65	05	18	23	49	49		X	X	BOTT		
STAN-FLET LAKE	2	72 43.0	94 33.0	65	05	19	20	60	60		X	X	BOTT		
STAN-FLET LAKE	3	72 45.0	94 35.0	65	05	20	00	16	16		X	X	BOTT		
STAN-FLET LAKE	4	72 47.0	94 38.0	65	05	20	20	47	47		X	X	BOTT		
STAN-FLET LAKE	5	72 49.0	94 40.0	65	05	21	00	34	34		X	X	BOTT		
STAN-FLET LAKE	6	72 50.0	94 42.0	65	05	21	19	10	10		X	X	BOTT		
STAN-FLET LAKE	7	72 51.0	94 45.0	65	05	23	20	22	22		X	X	BOTT		
STAN-FLET LAKE	8	72 42.0	94 35.0	65	05	24	22	74	74		X	X	BOTT		
STAN-FLET LAKE	9	72 42.0	94 38.0	65	05	26	19	88	88		X	X	BOTT		
STAN-FLET LAKE	10	72 41.0	94 40.0	65	05	26	22	88	88		X	X	BOTT		
STAN-FLET LAKE	11	72 41.0	94 42.0	65	05	27	23	47	47		X	X	BOTT		
STAN-FLET LAKE	12	72 40.0	94 44.0	65	05	28	19	37	37		X	X	BOTT		
STAN-FLET LAKE	13	72 40.0	94 46.0	65	05	28	22	38	38		X	X	BOTT		
STAN-FLET LAKE	14	72 39.0	94 48.0	65	05	29	18	16	16		X	X	BOTT		
STAN-FLET LAKE	15	72 46.0	94 40.0	65	05	30	20	42	42		X	X	BOTT		
STAN-FLET LAKE	16	72 45.0	94 43.0	65	06	04	00	69	69		X	X	BOTT		
STAN-FLET LAKE	17	72 44.0	94 45.0	65	06	04	20	103	103		X	X	BOTT		
STAN-FLET LAKE	18	72 43.0	94 47.0	65	06	05	19	90	90		X	X	BOTT		
STAN-FLET LAKE	19	72 42.0	94 49.0	65	06	05	22	24	24		X	X	BOTT		
STAN-FLET LAKE	20	72 41.0	94 51.0	65	06	06	18	37	37		X	X	BOTT		
STAN-FLET LAKE	21	72 40.0	94 53.0	65	06	06	21	22	22		X	X	BOTT		
STAN-FLET LAKE	22	72 39.0	94 55.0	65	06	07	00	21	21		X	X	BOTT		
STAN-FLET LAKE	23	72 51.0	94 47.0	65	06	08	21	74	74		X	X	BOTT		
STAN-FLET LAKE	24	72 50.0	94 50.0	65	06	09	00	50	50		X	X	BOTT		
STAN-FLET LAKE	25	72 49.0	94 53.0	65	06	11	18	26	26		X	X	BOTT		
STAN-FLET LAKE	26	72 48.0	94 55.0	65	06	11	20	59	59		X	X	BOTT		
STAN-FLET LAKE	27	72 47.0	94 57.0	65	06	11	21	83	83		X	X	BOTT		
STAN-FLET LAKE	28	72 46.0	94 59.0	65	06	12	00	18	18		X	X	BOTT		
STAN-FLET LAKE	29	72 53.0	94 47.0	65	06	12	19	19	19		X	X	BOTT		
STAN-FLET LAKE	30	72 54.0	94 49.0	65	06	12	21	16	16		X	X	BOTT		
STAN-FLET LAKE	31	72 55.0	94 51.0	65	06	12	23	13	13		X	X	BOTT		
STAN-FLET LAKE	32	72 55.0	94 53.0	65	06	15	19	48	48		X	X	BOTT		
STAN-FLET LAKE	33	72 54.0	94 56.0	65	06	15	22	79	79		X	X	BOTT		
STAN-FLET LAKE	34	72 53.0	94 58.0	65	06	16	00	62	62		X	X	BOTT		
STAN-FLET LAKE	35	72 52.0	95 00.0	65	06	16	19	91	91		X	X	BOTT		
STAN-FLET LAKE	36	72 51.0	95 02.0	65	06	16	21	24	24		X	X	BOTT		
STAN-FLET LAKE	37	72 56.0	94 53.0	65	06	19	19	12	12		X	X	BOTT		
STAN-FLET LAKE	38	72 58.0	94 55.0	65	06	19	21	13	13		X	X	BOTT		
STAN-FLET LAKE	39	72 58.0	94 59.0	65	07	01	19	32	32		X	X	BOTT		
STAN-FLET LAKE	40	72 57.0	95 01.0	65	07	01	21	12	12		X	X	BOTT		
STAN-FLET LAKE	41	72 56.0	95 03.0	65	07	01	22	62	62		X	X	BOTT		
STAN-FLET LAKE	42	72 55.0	95 06.0	65	07	02	01	98	98		X	X	BOTT		
STAN-FLET LAKE	43	72 54.0	95 08.0	65	07	03	18	26	26		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 65-0004
YEAR:1965 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT HR	NO
CAMBRIDGE BAY	1	69 06.0	105 04.0	65	09	?	?	55	56	X		X	HYT	1	17
CAMBRIDGE BAY	1	69 06.0	105 04.0	66	02	?	?	55	56	X		X	HYT		
CAMBRIDGE BAY	1	69 06.0	105 04.0	66	03	?	?	55	56	X		X	HYT		
CAMBRIDGE BAY	1	69 06.0	105 04.0	68	02	?	?	55	56	X		X	HYT		
CAMBRIDGE BAY	1	69 06.0	105 04.0	68	03	?	?	55	56	X		X	HYT		

BOTTLE/CTD DATA SET NUMBER: 66-0004
YEAR:1966 VESSEL/AGENCY: EDISTO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT HR	NO
LANCASTER SD.	47	74 24.5	81 45.0	66	08	06	?	666	702		X	X	BOTT		
LANCASTER SD.	48	74 16.0	81 31.0	66	08	06	?	765	793		X	X	BOTT		
LANCASTER SD.	49	74 08.9	81 22.0	66	08	06	?	755	786		X	X	BOTT		
LANCASTER SD.	50	74 02.0	81 08.0	66	08	06	?	710	748		X	X	BOTT		
LANCASTER SD.	51	73 54.0	81 04.5	66	08	06	?	638	656		X	X	BOTT		
LANCASTER SD.	52	73 46.2	80 56.0	66	08	06	?	584	638		X	X	BOTT		
LANCASTER SD.	53	74 25.0	81 43.0	66	08	06	?	669	700		X	X	BOTT		
LANCASTER SD.	54	74 16.0	81 36.0	66	08	06	?	513	784		X	X	BOTT		
LANCASTER SD.	55	74 09.2	81 27.4	66	08	06	?	706	784		X	X	BOTT		
LANCASTER SD.	56	74 01.9	81 08.5	66	08	07	?	691	757		X	X	BOTT		
LANCASTER SD.	57	73 54.0	81 06.2	66	08	07	?	681	711		X	X	BOTT		
LANCASTER SD.	58	73 46.5	81 04.0	66	08	07	?	475	508		X	X	BOTT		
LANCASTER SD.	12	74 30.0	82 45.0	66	08	17	?	400	713		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 66-0005
YEAR:1966 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT HR	NO
DEASE STRAIT	1096	69 25.00	105 09.00	66	06	23	?	60	?	X		X	BOTT		
DEASE STRAIT	1001	69 09.60	105 03.80	66	07	20	?	16	?	X		X	BOTT		
DEASE STRAIT	1003	69 10.10	106 25.70	66	07	28	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.60	105 51.30	66	08	02	?	50	55	X		X	BOTT		
DEASE STRAIT	1010	69 09.50	105 52.70	66	08	03	?	50	?	X		X	BOTT		
DEASE STRAIT	1017	69 09.50	105 52.70	66	08	04	?	50	?	X		X	BOTT		
DEASE STRAIT	1027	69 09.50	105 52.70	66	08	05	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	06	?	50	?	X		X	BOTT		
DEASE STRAIT	1033	69 09.50	105 52.70	66	08	06	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	07	?	50	?	X		X	BOTT		
DEASE STRAIT	1043	69 09.50	105 52.70	66	08	07	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	11	?	50	56	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	12	?	50	?	X		X	BOTT		
DEASE STRAIT	1056	69 09.50	105 52.70	66	08	12	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	13	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	14	?	50	?	X		X	BOTT		
DEASE STRAIT	1066	69 09.50	105 52.70	66	08	14	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	16	?	50	?	X		X	BOTT		
DEASE STRAIT	1076	69 09.50	105 52.70	66	08	16	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	17	?	50	?	X		X	BOTT		
DEASE STRAIT	1091	69 09.50	105 52.70	66	08	17	?	50	?	X		X	BOTT		
DEASE STRAIT	1096	69 24.70	106 10.20	66	08	19	?	60	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	23	?	50	?	X		X	BOTT		

DEASE STRAIT	1098	69 09.60	105 51.30	66	08	23	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	24	?	50	54	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	08	25	?	50	?	X		X	BOTT		
DEASE STRAIT	1009	69 09.50	105 52.70	66	09	07	?	50	?	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 66-0006
YEAR:1966 VESSEL/AGENCY: ICEPACK

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
M'CLURE STRAIT	1	74 38.0	115 55.0	66	04	25	20	440	451		X	X	BOTT		
M'CLURE STRAIT	2	74 38.0	115 55.0	66	04	26	19	425	451		X	X	BOTT		
M'CLURE STRAIT	3	74 38.0	115 55.0	66	04	27	18	425	451		X	X	BOTT		
M'CLURE STRAIT	4	74 38.0	115 55.0	66	04	29	18	100	451		X	X	BOTT		
M'CLURE STRAIT	5	74 38.0	115 55.0	66	04	30	18	100	451		X	X	BOTT		
M'CLURE STRAIT	6	74 22.0	116 48.0	66	05	04	19	400	482		X	X	BOTT		
M'CLURE STRAIT	7	74 48.0	115 44.0	66	05	05	23	350	398		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 67-0001
YEAR:1967 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
DEASE STRAIT	1001	69 06.70	105 02.50	67	06	23	?	7	?		X	X	BOTT		
DEASE STRAIT	1101	69 08.60	105 53.00	67	07	02	?	47	?		X	X	BOTT		
DEASE STRAIT	1102	69 08.60	105 53.00	67	07	08	?	45	?		X	X	BOTT		
DEASE STRAIT	1103	69 08.00	105 57.00	67	07	16	?	30	?		X	X	BOTT		
DEASE STRAIT	1002	69 06.25	105 12.40	67	07	25	?	27	?		X	X	BOTT		
DEASE STRAIT	1003	69 06.25	105 12.40	67	07	26	?	50	?		X	X	BOTT		
DEASE STRAIT	1005	69 06.25	105 12.40	67	07	28	?	30	?		X	X	BOTT		
DEASE STRAIT	1104	69 08.60	105 53.00	67	07	29	?	43	?		X	X	BOTT		
DEASE STRAIT	1107	69 09.50	105 52.70	67	08	02	?	60	?		X	X	BOTT		
DEASE STRAIT	1107	69 09.50	105 52.70	67	08	17	?	49	?		X	X	BOTT		
DEASE STRAIT	1109	69 10.20	105 50.70	67	08	18	?	50	?		X	X	BOTT		
DEASE STRAIT	1110	69 10.20	105 50.70	67	08	18	?	50	?			X	BOTT		
DEASE STRAIT	1121	69 10.20	105 50.70	67	08	19	?	50	?			X	BOTT		
DEASE STRAIT	1124	69 10.20	105 50.70	67	08	20	?	50	?		X	X	BOTT		
DEASE STRAIT	1107	69 09.50	105 52.70	67	08	24	?	50	?		X	X	BOTT		
DEASE STRAIT	1132	69 10.20	105 50.70	67	08	26	?	53	?			X	BOTT		
DEASE STRAIT	1135	69 10.70	105 50.00	67	08	27	?	11	?		X	X	BOTT		
DEASE STRAIT	1136	69 10.30	105 50.00	67	08	27	?	30	?		X	X	BOTT		
DEASE STRAIT	1137	69 08.70	105 47.00	67	08	27	?	64	?		X	X	BOTT		
DEASE STRAIT	1107	69 09.50	105 52.70	67	09	01	?	50	?		X	X	BOTT		
DEASE STRAIT	1138	69 10.20	105 50.70	67	09	01	?	50	?			X	BOTT		
DEASE STRAIT	1107	69 09.50	105 52.70	67	09	09	?	50	?		X	X	BOTT		
DEASE STRAIT	1107	69 09.50	105 52.70	67	09	17	?	50	?		X	X	BOTT		
DEASE STRAIT	1011	69 06.80	105 02.00	67	09	18	?	35	?		X	X	BOTT		
DEASE STRAIT	1141	69 10.00	105 51.00	67	11	23	?	40	?		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 67-0002
YEAR:1967 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	1	74 15.3	90 41.0	67	08	17	10	200	246	X		X	BOTT		
LANCASTER SD.	43	74 09.5	81 17.0	67	09	02	22	50	?	X		X	BOTT		

LANCASTER SD.	44	73 55.3	86 00.0	67 09 03 09	50	?	X		X	BOTT		
LANCASTER SD.	45	74 09.2	86 00.0	67 09 03 11	500	541	X		X	BOTT		
LANCASTER SD.	46	74 09.2	86 00.0	67 09 03 11	50	541	X		X	BOTT		
LANCASTER SD.	47	74 25.0	86 00.0	67 09 03 13	50	?	X		X	BOTT		
LANCASTER SD.	48	74 15.0	90 45.0	67 09 03 19	205	246	X		X	BOTT		
VISC. MEL. SD.	49	74 26.2	111 42.1	67 09 05 18	266	340	X		X	BOTT		
VISC. MEL. SD.	50	74 26.2	111 42.1	67 09 05 18	50	310	X		X	BOTT		
VISC. MEL. SD.	51	74 20.0	111 48.0	67 09 05 21	50	453	X		X	BOTT		
VISC. MEL. SD.	52	74 20.0	111 48.0	67 09 05 21	396	453	X		X	BOTT		
VISC. MEL. SD.	53	74 13.0	111 12.0	67 09 06 04	509	530	X		X	BOTT		
VISC. MEL. SD.	54	74 13.0	111 12.0	67 09 06 04	50	534	X		X	BOTT		
VISC. MEL. SD.	55	74 43.0	108 37.0	67 09 06 20	50	?	X		X	BOTT		
VISC. MEL. SD.	56	74 54.5	108 42.0	67 09 06 22	50	173	X		X	BOTT		
VISC. MEL. SD.	57	74 36.0	104 30.0	67 09 07 13	50	210	X		X	BOTT		
VISC. MEL. SD.	58	74 36.0	104 30.0	67 09 07 13	175	210	X		X	BOTT		
BARROW STRAIT	59	74 52.0	97 08.0	67 09 07 18	50	281	X		X	BOTT		
BARROW STRAIT	60	74 19.3	97 16.0	67 09 08 22	50	160	X		X	BOTT		
BARROW STRAIT	61	74 19.3	97 16.0	67 09 08 23	175	160	X		X	BOTT		
BARROW STRAIT	62	74 56.5	92 33.0	67 09 09 13	150	164	X		X	BOTT		
BARROW STRAIT	63	74 56.5	92 33.0	67 09 09 13	50	164	X		X	BOTT		
BARROW STRAIT	64	74 57.0	92 14.0	67 09 09 15	50	148	X		X	BOTT		
BARROW STRAIT	65	74 54.2	93 12.0	67 09 09 16	48	212	X		X	BOTT		
BARROW STRAIT	66	74 35.0	93 39.0	67 09 09 19	50	?	X		X	BOTT		
BARROW STRAIT	67	74 35.0	93 39.0	67 09 09 21	50	171	X		X	BOTT		
BARROW STRAIT	68	74 14.3	93 43.0	67 09 09 23	50	182	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 68-0001
YEAR: 1968 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	14	74 10.0	85 59.4	68 08 24 12	500	?	X		X	BOTT		
VISC. MEL. SD.	15	74 38.5	109 47.5	68 08 30 00	175	?	X		X	BOTT		
VISC. MEL. SD.	16	74 18.0	110 00.0	68 08 31 03	500	?	X		X	BOTT		
VISC. MEL. SD.	17	74 27.0	113 48.0	68 08 31 11	325	?	X		X	BOTT		
VISC. MEL. SD.	18	74 22.3	114 36.0	68 08 31 22	450	?	X		X	BOTT		
BARROW STRAIT	19	74 50.8	92 44.0	68 09 08 19	75	?	X		X	BOTT		
BARROW STRAIT	20	74 45.0	92 44.0	68 09 10 16	100	?	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 68-0002
YEAR: 1968 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
CAMBRIDGE BAY	1	69 06.0	105 04.0	68 02 18 ?	55	56			X	?	1	99

BOTTLE/CTD DATA SET NUMBER: 68-0069
YEAR: 1968 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
DEASE STRAIT	101	69 08.10	105 57.30	68 07 01 ?	50	?	X		X	BOTT		
DEASE STRAIT	101	69 08.10	105 57.30	68 07 65 ?	50	?	X		X	BOTT		
DEASE STRAIT	101	69 08.10	105 57.30	68 07 13 ?	50	?	X		X	BOTT		
DEASE STRAIT	101	69 08.10	105 57.30	68 07 19 ?	50	?	X		X	BOTT		
DEASE STRAIT	101	69 08.10	105 57.30	68 07 26 ?	50	?	X		X	BOTT		

DEASE STRAIT	101	69 08.10	105 57.30	68	08	24	?	50	?	X		X	BOTT		
DEASE STRAIT	101	69 08.10	105 57.30	68	09	04	?	50	?	X		X	BOTT		
DEASE STRAIT	102	69 09.80	105 50.00	68	07	30	?	46	?	X		X	BOTT		
DEASE STRAIT	105	69 10.30	105 51.20	68	08	01	?	40	?	X		X	BOTT		
DEASE STRAIT	107	69 10.00	105 51.70	68	08	02	?	50	?	X		X	BOTT		
DEASE STRAIT	107	69 10.00	105 51.70	68	08	13	?	50	?	X		X	BOTT		
DEASE STRAIT	107	69 10.00	105 51.70	68	08	17	?	50	?	X		X	BOTT		
BATHURST INLET	108	68 15.00	108 55.00	68	08	06	?	100	?	X		X	BOTT		
BATHURST INLET	109	67 56.30	108 42.00	68	08	06	?	200	?	X		X	BOTT		
BATHURST INLET	110	67 54.00	107 51.00	68	08	06	?	77	?	X		X	BOTT		
BATHURST INLET	111	67 52.50	107 57.20	68	08	06	?	90	?	X		X	BOTT		
BATHURST INLET	112	67 33.70	107 50.30	68	08	07	?	290	?	X		X	BOTT		
BATHURST INLET	113	67 41.40	108 49.40	68	08	08	?	190	?	X		X	BOTT		
CAMBRIDGE BAY	114	69 05.90	105 05.30	68	08	12	?	80	?	X		X	BOTT		
CAMBRIDGE BAY	115	69 06.33	105 02.50	68	08	12	?	40	?	X		X	BOTT		
DEASE STRAIT	117	69 07.30	105 56.30	68	08	14	?	73	?	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 69-0069
YEAR:1969 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
DEASE STRAIT	1005	69 02.90	106 01.00	69	08	13	?	50	?	X		X	BOTT		
DEASE STRAIT	1006	69 00.80	106 04.40	69	08	13	?	75	?	X		X	BOTT		
DEASE STRAIT	1007	68 58.70	106 07.70	69	08	13	?	65	?	X		X	BOTT		
DEASE STRAIT	1010	69 06.50	105 52.00	69	08	26	?	45	?	X		X	BOTT		
DEASE STRAIT	1011	69 07.70	105 57.80	69	08	15	?	15	?	X		X	BOTT		
BATHURST INLET	1017	68 08.50	108 20.00	69	08	31	?	20	?	X		X	BOTT		
BATHURST INLET	1018	68 06.90	108 08.00	69	08	31	?	15	?	X		X	BOTT		
BATHURST INLET	1019	68 03.30	107 45.00	69	08	31	?	17	?	X		X	BOTT		
BATHURST INLET	1022	68 17.50	106 25.50	69	09	01	?	23	?	X		X	BOTT		
BATHURST INLET	1023	68 22.00	106 11.00	69	09	02	?	18	?	X		X	BOTT		
BATHURST INLET	1025	67 35.50	107 50.50	69	09	04	11	125	?	X		X	BOTT		
BATHURST INLET	1026	67 22.00	108 19.00	69	09	04	?	260	?	X		X	BOTT		
BATHURST INLET	1027	67 44.00	108 52.50	69	09	06	?	200	?	X		X	BOTT		
BATHURST INLET	1028	67 51.00	109 09.00	69	09	06	11	65	?	X		X	BOTT		
BATHURST INLET	1029	67 43.50	108 55.00	69	09	06	?	9	?	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 70-0002
YEAR:1970 VESSEL/AGENCY: HUDSON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
PR. WALES STR.	274	71 59.0	119 30.0	70	09	24	19	100	118	X		X	BOTT		
PR. WALES STR.	275	72 30.0	118 39.0	70	09	24	22	70	84	X		X	BOTT		
PR. WALES STR.	276	73 01.0	117 12.0	70	09	25	02	150	164	X		X	BOTT		
PR. WALES STR.	277	73 24.2	115 04.0	70	09	25	13	75	84	X		X	BOTT		
VISC. MEL. SD.	278	73 48.1	113 45.5	70	09	25	17	448	474	X		X	BOTT		
VISC. MEL. SD.	279	74 39.0	108 10.5	70	09	27	03	197	225	X		X	BOTT		
VISC. MEL. SD.	280	74 41.8	105 15.5	70	09	27	17	160	173	X		X	BOTT		
VISC. MEL. SD.	281	74 47.9	101 35.2	70	09	27	23	150	163	X		X	BOTT		
BARROW STRAIT	282	74 53.0	98 03.0	70	09	28	05	80	97	X		X	BOTT		
BARROW STRAIT	283	74 13.9	95 29.7	70	09	28	21	201	215	X		X	BOTT		
BARROW STRAIT	284	74 28.0	92 32.0	70	09	29	02	201	215	X		X	BOTT		
LANCASTER SD.	285	74 28.6	90 04.0	70	09	29	13	250	264	X		X	BOTT		
LANCASTER SD.	286	74 22.8	90 08.0	70	09	29	15	271	284	X		X	BOTT		
LANCASTER SD.	287	74 16.8	90 17.0	70	09	29	17	230	244	X		X	BOTT		
LANCASTER SD.	288	74 11.0	90 12.0	70	09	29	18	230	237	X		X	BOTT		
LANCASTER SD.	289	74 02.5	90 30.0	70	09	29	20	120	130	X		X	BOTT		
LANCASTER SD.	290	74 16.0	88 01.5	70	09	30	02	50	406	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 70-0006
YEAR: 1970 VESSEL/AGENCY: WESTWIND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	2	74 19.8	80 02.5	70	07	24	?	345	695	X		X	BOTT		
LANCASTER SD.	2	74 19.8	80 02.5	70	07	24	?	600	695	X		X	BOTT		
LANCASTER SD.	3	74 07.8	80 00.0	70	07	24	?	690	805	X		X	BOTT		
LANCASTER SD.	3	74 07.8	80 00.0	70	07	24	?	700	805	X		X	BOTT		
LANCASTER SD.	5	73 45.0	80 00.0	70	07	25	?	690	823	X		X	BOTT		
LANCASTER SD.	5	73 45.0	80 00.0	70	07	25	?	700	700	X		X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 70-0072
YEAR: 1970 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
DEASE STRAIT	1006	69 06.10	105 52.20	70	08	14	?	60	?			X	BOTT		
CORONATION G.	1008	67 52.20	112 08.40	70	08	20	?	200	?			X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 70-0073
YEAR: 1970 VESSEL/AGENCY: MACINNIS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
RESOLUTE BAY		74 41.	94 52.	70	08	28	?	?	?			X	?		
RESOLUTE BAY		74 41.	94 52.	71	02	14	?	?	?			X	?		

BOTTLE/CTD DATA SET NUMBER: 71-0006
YEAR: 1971 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
CAMBRIDGE BAY	1	69 06.5	105 04.0	71	09	09	?	82	82	X		X	GLDL	24	81
CAMBRIDGE BAY	1	69 06.5	105 04.0	71	11	29	?	82	82	X		X	GLDL	5	37
CAMBRIDGE BAY	1	69 06.5	105 04.0	72	02	15	?	82	82	X		X	GLDL	24	23
CAMBRIDGE BAY	1	69 06.5	105 04.0	72	04	10	?	82	82	X		X	GLDL	5	23

BOTTLE/CTD DATA SET NUMBER: 72-0011
YEAR:1972 VESSEL/AGENCY: ST LAURENT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
BARROW STRAIT	1	74 21.0	90 42.0	72	09	27	?	200	200	X		X	BOTT	
BARROW STRAIT	2	74 44.5	93 14.0	72	09	28	?	130	130	X		X	BOTT	
BARROW STRAIT	3	74 45.0	92 44.0	72	09	28	?	100	100	X		X	BOTT	
BARROW STRAIT	4	74 46.0	92 10.0	72	09	28	?	60	60	X		X	BOTT	
BARROW STRAIT	5	74 06.5	91 38.0	72	09	29	?	150	150	X		X	BOTT	
BARROW STRAIT	6	74 21.6	91 19.0	72	09	29	?	170	170	X		X	BOTT	
BARROW STRAIT	7	74 35.0	91 23.0	72	09	29	?	100	100	X		X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 72-0017
YEAR:1972 VESSEL/AGENCY: LABRADOR,BIO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
BARROW STRAIT	8	74 20.0	88 30.0	72	08	20	?	0	?			X	?	
BARROW STRAIT	9	74 30.0	94 05.0	72	08	20	?	0	?			X	?	

BOTTLE/CTD DATA SET NUMBER: 72-0119
YEAR:1972 VESSEL/AGENCY: MACINNIS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
RESOLUTE BAY		74 41.	94 52.	72	12	?	?	?	11			X	?	

BOTTLE/CTD DATA SET NUMBER: 73-0005
YEAR:1973 VESSEL/AGENCY: ST LAURENT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
LANCASTER SD.	1	74 27.8	90 57.0	73	08	06	08	170	188	X		X	?	
LANCASTER SD.	2	74 19.5	90 53.0	73	08	06	10	220	229	X		X	?	
LANCASTER SD.	3	74 14.8	91 00.0	73	08	06	11	330	351	X		X	?	
LANCASTER SD.	4	74 09.2	90 58.0	73	08	06	13	220	245	X		X	?	
LANCASTER SD.	5	74 05.0	90 58.0	73	08	06	15	140	164	X		X	?	

BOTTLE/CTD DATA SET NUMBER: 73-0006
YEAR:1973 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	1	74	30.0	91	21.0	73	04	18	?	150	155	X		X	GLDL	1	24
BARROW STRAIT	2	74	33.0	94	19.0	73	04	22	22	135	?	X		X	GLDL		
BARROW STRAIT	3	74	28.0	94	19.0	73	04	22	22	143	?	X		X	GLDL		
BARROW STRAIT	4	74	23.0	94	19.0	73	04	23	16	143	?	X		X	GLDL		
BARROW STRAIT	5	74	18.0	94	19.0	73	04	23	17	162	?	X		X	GLDL		
BARROW STRAIT	6	74	13.0	94	19.0	73	04	23	17	155	?	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 73-0008
YEAR:1973 VESSEL/AGENCY: WILLIAM ALEXANDER

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	B01	74	35.0	91	32.0	73	08	27	04	150	?	X		X	GLDL		
BARROW STRAIT	B02	74	30.0	91	39.0	73	08	28	05	157	?	X		X	GLDL		
BARROW STRAIT	B03	74	24.0	99	50.0	73	08	28	06	307	?	X		X	GLDL		
BARROW STRAIT	W01	74	48.0	92	06.0	73	08	28	19	63	?	X		X	GLDL		
BARROW STRAIT	W02	74	48.0	92	25.0	73	08	28	19	98	?	X		X	GLDL		
BARROW STRAIT	W03	74	48.0	92	45.0	73	08	28	20	118	?	X		X	GLDL		
BARROW STRAIT	W04	74	48.0	93	05.0	73	08	28	20	162	?	X		X	GLDL		
BARROW STRAIT	W05	74	48.0	93	18.0	73	08	28	21	118	?	X		X	GLDL		
BARROW STRAIT	B04	74	36.0	94	12.0	73	08	29	00	102	?	X		X	GLDL		
BARROW STRAIT	B05	74	31.0	94	10.0	73	08	29	01	155	?	X		X	GLDL		
BARROW STRAIT	B06	74	23.0	94	06.0	73	08	29	02	166	?	X		X	GLDL		
BARROW STRAIT	B07	74	17.0	94	00.0	73	08	29	03	167	?	X		X	GLDL		
BARROW STRAIT	B08	74	10.0	93	55.0	73	08	29	05	123	?	X		X	GLDL		
BARROW STRAIT	B08	74	07.0	92	14.0	73	08	29	07	122	?	X		X	GLDL		
BARROW STRAIT	B10	74	14.0	92	05.0	73	08	29	08	207	?	X		X	GLDL		
BARROW STRAIT	B11	74	21.0	91	48.0	73	08	29	10	307	?	X		X	GLDL		
BARROW STRAIT	B12	74	30.0	91	37.0	73	08	30	19	150	?	X		X	GLDL		
BARROW STRAIT	B13	74	19.0	90	35.0	73	08	31	01	223	?	X		X	GLDL		
BARROW STRAIT	B14	74	19.0	90	35.0	73	08	31	02	203	?	X		X	GLDL		
BARROW STRAIT	B15	74	19.0	90	30.0	73	08	31	02	203	?	X		X	GLDL		
BARROW STRAIT	B16	74	19.0	90	39.0	73	08	31	05	207	?	X		X	GLDL		
BARROW STRAIT	B17	74	20.0	90	39.0	73	08	31	14	203	?	X		X	GLDL		
BARROW STRAIT	B18	74	20.0	91	38.0	73	08	31	15	203	?	X		X	GLDL		
BARROW STRAIT	G01	74	37.0	91	14.0	73	09	01	07	50	?	X		X	GLDL		
BARROW STRAIT	A01	74	37.0	94	15.0	73	09	05	03	50	?	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 73-0009A
YEAR:1973 VESSEL/AGENCY: BAFFIN,BIO

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
LANCASTER SD.	18	74	18.0	86	28.0	73	08	07	?	0	?			X	?		
LANCASTER SD.	19	74	37.0	88	45.0	73	09	19	?	0	?			X	?		

BOTTLE/CTD DATA SET NUMBER: 74-0012
YEAR:1974 VESSEL/AGENCY: GSC

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
CUNNINGHAM IN.	1	74	07.0	93	49.0	74	07	?	?	?	?	X		X	?	

BOTTLE/CTD DATA SET NUMBER: 74-0013A
YEAR:1974 VESSEL/AGENCY: HUDSON,BIO

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
LANCASTER SD.	59	73	54.0	82	42.9	74	08	15	?	0	?			X	?	
LANCASTER SD.	99	73	52.2	86	06.9	74	08	25	?	0	?			X	?	
BARROW STRAIT	144	73	31.7	96	20.9	74	08	30	?	0	?			X	?	

BOTTLE/CTD DATA SET NUMBER: 74-0013B
YEAR:1974 VESSEL/AGENCY: HUDSON

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
BARROW STRAIT	110	74	10.8	93	51.2	74	08	27	21	?	?	X		X	?	
BARROW STRAIT	132	74	09.0	96	56.1	74	08	29	21	?	?	X		X	?	
BARROW STRAIT	134	74	08.4	96	53.9	74	08	29	22	?	?		X	X	BOTT	
BARROW STRAIT	141	73	32.0	96	14.7	74	08	30	13	?	?	X		X	?	
BARROW STRAIT	143	73	31.9	96	13.0	74	08	30	14	?	?		X	X	BOTT	
PEEL SOUND	138	73	35.	96	10.	74	08	30	?	?	?	X		X	CTD	

BOTTLE/CTD DATA SET NUMBER: 74-0014A
YEAR:1974 VESSEL/AGENCY: POLAR GAS

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
BARROW STRAIT	1	74	43.0	97	25.0	74	05	08	?	100	?		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 74-0014B
YEAR: 1974 VESSEL/AGENCY: MCGILL U.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
CUNNINGHAM IN.		74 05.	93 45.	74	08	25	?	?	?				?	

BOTTLE/CTD DATA SET NUMBER: 74-0015
YEAR: 1974 VESSEL/AGENCY: B.C.RESEARCH

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
STRATHCONA SD.	1	73 04.0	84 31.0	74	08	08	?	50	55	X		X	INTO	
STRATHCONA SD.	2	73 04.0	84 24.0	74	08	08	?	50	89	X		X	INTO	
STRATHCONA SD.	7	73 06.0	84 35.0	74	08	09	?	200	243	X		X	INTO	
STRATHCONA SD.	8	73 07.0	84 34.0	74	08	09	?	150	175	X		X	INTO	
STRATHCONA SD.	10	73 06.0	84 49.0	74	08	09	?	300	304	X		X	INTO	
STRATHCONA SD.	6A	73 05.0	84 36.0	74	08	09	?	150	187	X		X	INTO	
STRATHCONA SD.	3	73 05.0	84 22.5	74	08	10	?	50	54	X		X	INTO	
STRATHCONA SD.	4	73 05.5	84 21.5	74	08	10	?	50	86	X		X	INTO	
STRATHCONA SD.	14	73 10.0	84 52.5	74	08	10	?	100	147	X		X	INTO	
STRATHCONA SD.	5	73 04.5	84 36.0	74	08	11	?	50	84	X		X	INTO	
STRATHCONA SD.	6	73 05.0	84 36.0	74	08	17	?	150	165	X		X	INTO	
STRATHCONA SD.	9	73 06.0	84 43.0	74	08	18	?	200	247	X		X	INTO	
STRATHCONA SD.	9A	73 05.5	84 42.0	74	08	18	?	250	293	X		X	INTO	
STRATHCONA SD.	13	73 09.5	84 54.5	74	08	19	?	200	211	X		X	INTO	
STRATHCONA SD.	11	73 08.0	84 59.0	74	08	20	?	10	140			X	INTO	
STRATHCONA SD.	12	73 08.5	84 57.5	74	08	20	?	10	200			X	INTO	

BOTTLE/CTD DATA SET NUMBER: 75-0013
YEAR: 1975 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
CRESWELL BAY	4	72 45.0	94 00.0	75	08	02	?	0	7		X	X	BOTT	
CRESWELL BAY	8	72 45.0	94 00.0	75	08	02	?	10	16		X	X	BOTT	
CRESWELL BAY	7	72 45.0	94 00.0	75	08	02	?	50	88		X	X	BOTT	
CRESWELL BAY	12	72 45.0	94 00.0	75	08	03	?	0	1		X	X	BOTT	
CRESWELL BAY	13	72 45.0	94 00.0	75	08	03	?	0	1		X	X	BOTT	
CRESWELL BAY	14	72 45.0	94 00.0	75	08	03	?	2	3		X	X	BOTT	
CRESWELL BAY	42	72 45.0	94 00.0	75	08	08	?	0	9		X	X	BOTT	
CRESWELL BAY	43	72 45.0	94 00.0	75	08	08	?	5	9		X	X	BOTT	
CRESWELL BAY	43B	72 45.0	94 00.0	75	08	08	?	0	9		X	X	BOTT	
CRESWELL BAY	44	72 45.0	94 00.0	75	08	08	?	10	12		X	X	BOTT	
ASSISSTANCE B.	60	74 37.0	94 30.0	75	08	19	?	0	1		X	X	BOTT	
ASSISSTANCE B.	62	74 37.0	94 30.0	75	08	19	?	10	25		X	X	BOTT	
ASSISSTANCE B.	69	74 37.0	94 30.0	75	08	25	?	4	46		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 75-0014
YEAR:1975 VESSEL/AGENCY: DREO

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
FURY-HECLA STR	1	69	52.1	84	11.5	75	04	26	17	65	67		X	X	BOTT		
FURY-HECLA STR	2	69	57.4	84	57.5	75	04	28	17	200	209		X	X	BOTT		
GULF BOOTHIA	3	69	54.8	85	40.0	75	04	29	20	165	168		X	X	BOTT		
FURY-HECLA STR	4	69	49.4	83	09.0	75	05	01	18	80	81		X	X	BOTT		
FURY-HECLA STR	5	69	55.3	84	14.5	75	05	02	17	110	117		X	X	BOTT		
FURY-HECLA STR	6	69	56.6	84	12.5	75	05	04	17	75	78		X	X	BOTT		
FURY-HECLA STR	7	69	50.9	83	03.0	75	05	05	14	95	98		X	X	BOTT		
FURY-HECLA STR	8	69	52.1	84	11.5	75	05	06	15	50	67		X	X	BOTT		
FURY-HECLA STR	9	69	52.1	84	11.5	75	05	06	16	50	67		X	X	BOTT		
FURY-HECLA STR	10	69	52.1	84	11.5	75	05	06	17	50	67		X	X	BOTT		
FURY-HECLA STR	11	69	52.1	84	11.5	75	05	06	18	50	67		X	X	BOTT		
FURY-HECLA STR	12	69	52.1	84	11.5	75	05	06	19	50	67		X	X	BOTT		
FURY-HECLA STR	13	69	52.1	84	11.5	75	05	06	20	50	67		X	X	BOTT		
FURY-HECLA STR	14	69	52.1	84	11.5	75	05	06	21	50	67		X	X	BOTT		
FURY-HECLA STR	15	69	52.1	84	11.5	75	05	06	22	50	67		X	X	BOTT		
FURY-HECLA STR	16	69	52.1	84	11.5	75	05	06	23	50	67		X	X	BOTT		
FURY-HECLA STR	17	69	52.1	84	11.5	75	05	07	00	50	67		X	X	BOTT		
FURY-HECLA STR	18	69	52.1	84	11.5	75	05	07	01	65	67		X	X	BOTT		
FURY-HECLA STR	19	69	52.1	85	11.5	75	05	07	01	50	67		X	X	BOTT		
FURY-HECLA STR	20	69	52.1	84	11.5	75	05	07	02	40	67		X	X	BOTT		
FURY-HECLA STR	21	69	52.1	84	11.5	75	05	07	02	50	67		X	X	BOTT		
FURY-HECLA STR	26	69	38.1	82	30.0	75	05	16	20	20	20		X	X	BOTT		

BOTTLE/CTD DATA SET NUMBER: 76-0007
YEAR:1976 VESSEL/AGENCY: DREP

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
FURY-HECLA STR	2	69	54.0	84	15.6	76	04	30	?	?	?	X		X	GLDL	1	24
FURY-HECLA STR	2	69	54.0	84	15.6	76	05	01	?	?	?	X		X	GLDL		
FURY-HECLA STR	2	69	54.0	84	15.6	76	05	02	?	?	?	X		X	GLDL		
FURY-HECLA STR	5	69	40.0	82	12.0	76	05	05	?	?	?	X		X	GLDL		
FURY-HECLA STR	5	69	40.0	82	12.0	76	05	06	?	?	?	X		X	GLDL		
FURY-HECLA STR	6	69	48.0	83	00.0	76	05	06	?	?	?	X		X	GLDL		
FURY-HECLA STR	2	69	54.0	84	15.6	76	05	06	?	?	?	X		X	GLDL		
FURY-HECLA STR	7	69	56.0	84	53.0	76	05	10	?	?	?	X		X	GLDL		
FURY-HECLA STR	8	69	54.0	85	46.0	76	05	15	?	?	?	X		X	GLDL		
FURY-HECLA STR	2	69	54.0	84	15.6	76	05	21	?	?	?	X		X	GLDL		
FURY-HECLA STR	1	69	52.2	84	15.6	76	05	25	?	?	?	X		X	GLDL		
FURY-HECLA STR	2	69	54.0	84	15.6	76	05	26	?	?	?	X		X	GLDL		
FURY-HECLA STR	4	69	57.5	84	15.6	76	05	26	?	?	?	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 76-0008A
YEAR:1976 VESSEL/AGENCY: LGL

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
LANCASTER SD.	3	74	06.0	81	30.0	76	07	22	?	300	786		X	X	BOTT		
LANCASTER SD.	2	74	32.0	80	20.0	76	07	23	?	300	668		X	X	BOTT		
LANCASTER SD.	1	74	27.0	82	03.0	76	07	24	?	300	686		X	X	BOTT		
LANCASTER SD.	5	73	43.0	81	02.0	76	07	26	?	300	503		X	X	BOTT		
LANCASTER SD.	4	74	07.0	82	37.0	76	07	27	?	300	741		X	X	BOTT		
LANCASTER SD.	6	74	12.0	87	57.0	76	07	28	?	300	430		X	X	BOTT		

LANCASTER SD.	1	74 27.0	82 03.0	76 08 03 ?	300	686		X	X	BOTT	
LANCASTER SD.	2	74 32.0	82 20.0	76 08 04 ?	300	668		X	X	BOTT	
LANCASTER SD.	3	74 06.0	81 30.0	76 08 05 ?	300	786		X	X	BOTT	
LANCASTER SD.	4	74 07.0	82 37.0	76 08 06 ?	300	741		X	X	BOTT	
LANCASTER SD.	5	73 43.0	81 02.0	76 08 07 ?	300	503		X	X	BOTT	
LANCASTER SD.	6	74 12.0	87 57.0	76 08 08 ?	300	430		X	X	BOTT	
LANCASTER SD.	3	74 06.0	81 30.0	76 08 09 ?	700	786		X	X	BOTT	
LANCASTER SD.	22	74 25.0	80 18.0	76 08 16 ?	680	722		X	X	BOTT	
LANCASTER SD.	1	74 27.0	82 03.0	76 08 17 ?	650	686		X	X	BOTT	
LANCASTER SD.	4	74 07.0	82 37.0	76 08 18 ?	650	741		X	X	BOTT	
LANCASTER SD.	5	73 43.0	81 02.0	76 08 21 ?	500	503		X	X	BOTT	
LANCASTER SD.	6	74 12.0	87 57.0	76 08 22 ?	400	430		X	X	BOTT	
LANCASTER SD.	1	74 27.0	82 03.0	76 08 27 ?	300	686		X	X	BOTT	
LANCASTER SD.	2	74 32.0	80 20.0	76 08 28 ?	300	668		X	X	BOTT	
LANCASTER SD.	3	74 06.0	81 30.0	76 08 29 ?	300	786		X	X	BOTT	
LANCASTER SD.	4	74 07.0	82 37.0	76 08 29 ?	300	741		X	X	BOTT	
LANCASTER SD.	5	73 43.0	81 02.0	76 08 31 ?	300	503		X	X	BOTT	
LANCASTER SD.	6	74 12.0	87 57.0	76 09 01 ?	300	430		X	X	BOTT	
LANCASTER SD.	1	74 27.0	82 03.0	76 09 07 ?	300	686		X	X	BOTT	
LANCASTER SD.	2	74 32.0	80 20.0	76 09 08 ?	300	668		X	X	BOTT	
LANCASTER SD.	3	74 06.0	81 30.0	76 09 11 ?	300	786		X	X	BOTT	
LANCASTER SD.	4	74 07.0	82 37.0	76 09 11 ?	300	741		X	X	BOTT	
LANCASTER SD.	5	73 43.0	81 02.0	76 09 12 ?	300	503		X	X	BOTT	
LANCASTER SD.	6	74 12.0	87 57.0	76 09 13 ?	300	430		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 76-0009
YEAR:1976 VESSEL/AGENCY: GSC

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
BARROW STRAIT	1	74 08.0	93 50.0	76 07 03 ?	?	?	X		X	YSI	

BOTTLE/CTD DATA SET NUMBER: 76-0010
YEAR:1976 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
BARROW STRAIT	12	74 40.0	95 10.0	76 07 05 ?	25	?		X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 76-0011A
YEAR:1976 VESSEL/AGENCY: HUDSON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
LANCASTER SD.	33	74 24.0	82 00.0	76 08 16 15	?	?	X		X	?	
LANCASTER SD.	34	74 23.8	82 03.5	76 08 16 16	?	?		X	X	BOTT	
LANCASTER SD.	36	74 15.2	81 59.5	76 08 16 18	?	?	X		X	?	
LANCASTER SD.	38	74 07.0	82 00.0	76 08 16 20	?	?	X		X	?	
LANCASTER SD.	39	74 07.0	81 58.0	76 08 16 21	?	?		X	X	BOTT	
LANCASTER SD.	42	73 49.8	82 00.0	76 08 17 02	?	?	X		X	?	
LANCASTER SD.	43	73 49.7	81 59.2	76 08 17 03	?	?		X	X	BOTT	
LANCASTER SD.	44	73 49.9	81 57.0	76 08 17 04	?	?	X		X	?	
LANCASTER SD.	47	74 34.0	90 57.0	76 08 18 23	?	?	X		X	?	
LANCASTER SD.	49	74 30.3	90 58.0	76 08 19 00	?	?	X		X	?	
BARROW STRAIT	50	74 30.5	91 01.2	76 08 19 01	?	?		X	X	BOTT	
LANCASTER SD.	51	74 28.1	90 46.0	76 08 19 02	?	?	X		X	?	

LANCASTER SD.	53	74	16.5	90	39.5	76	08	19	05	?	?	X		X	?		
LANCASTER SD.	54	74	16.5	90	39.4	76	08	19	05	?	?		X	X	BOTT		
LANCASTER SD.	55	74	15.0	90	08.5	76	08	19	08	?	?	X		X	?		

BOTTLE/CTD DATA SET NUMBER: 77-0011
YEAR:1977 VESSEL/AGENCY: MCGILL U.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	1	74	20.0	96	30.0	77	05	06	?	160	160	X		X	BISS	4	

BOTTLE/CTD DATA SET NUMBER: 77-0012
YEAR:1977 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
PR. WALES STR.	41	73	22.2	115	40.3	77	03	27	?	27	27	X		X	GLDL		
PR. WALES STR.	42	73	21.0	115	36.1	77	03	27	?	54	58	X		X	GLDL		
PR. WALES STR.	43	73	18.9	115	32.2	77	03	27	?	61	66	X		X	GLDL		
PR. WALES STR.	44	73	18.8	115	17.2	77	03	27	?	86	94	X		X	GLDL		
PR. WALES STR.	45	73	17.1	115	18.5	77	03	27	?	61	62	X		X	GLDL		
M'CLURE STRAIT	31	74	22.3	113	17.3	77	03	28	?	318	350	X		X	GLDL		
M'CLURE STRAIT	32	74	10.4	113	43.1	77	03	28	?	276	450	X		X	GLDL		
M'CLURE STRAIT	34	73	46.1	114	39.9	77	03	28	?	330	400	X		X	GLDL		
M'CLURE STRAIT	35	73	35.1	115	10.8	77	03	28	?	124	124	X		X	GLDL		
PR. WALES STR.	44	73	17.3	115	25.1	77	04	03	?	88	94	X		X	GLDL	24	13
PR. WALES STR.	45	73	17.1	115	18.5	77	04	06	?	62	62	X		X	GLDL		
PR. WALES STR.	44	73	17.3	115	25.1	77	04	06	?	92	94	X		X	GLDL		
PR. WALES STR.	43	73	18.9	115	32.2	77	04	06	?	63	66	X		X	GLDL		
PR. WALES STR.	41	73	22.3	115	40.5	77	04	06	?	27	27	X		X	GLDL		
PR. WALES STR.	42	73	21.0	115	36.1	77	04	06	?	56	56	X		X	GLDL		
PR. WALES STR.	45	73	17.1	115	18.5	77	04	06	?	60	62	X		X	GLDL		
PR. WALES STR.	44	73	17.3	115	25.1	77	04	06	?	94	94	X		X	GLDL		
PR. WALES STR.	41	73	22.2	115	40.3	77	04	06	?	26	27	X		X	GLDL		
PR. WALES STR.	42	73	21.0	115	36.1	77	04	06	?	56	58	X		X	GLDL		
PR. WALES STR.	43	73	18.9	115	32.2	77	04	06	?	64	66	X		X	GLDL		
M'CLURE STRAIT	31	74	20.3	113	21.8	77	04	08	?	350	430	X		X	GLDL		
M'CLURE STRAIT	32	74	10.4	113	43.1	77	04	08	?	351	450	X		X	GLDL		
M'CLURE STRAIT	33	73	59.2	114	14.9	77	04	08	?	353	490	X		X	GLDL		
M'CLURE STRAIT	34	73	43.0	114	46.1	77	04	08	?	343	343	X		X	GLDL		
M'CLURE STRAIT	35	73	35.1	115	10.8	77	04	08	?	120	123	X		X	GLDL		
M'CLURE STRAIT	33	73	59.2	114	14.9	77	04	08	?	352	490	X		X	GLDL		
M'CLURE STRAIT	31	74	20.3	113	21.8	77	04	08	?	351	430	X		X	GLDL		
VISC. MEL. SD.	51	74	55.0	105	56.1	77	04	10	?	139	139	X		X	GLDL		
VISC. MEL. SD.	52	74	38.8	105	51.3	77	04	10	?	233	233	X		X	GLDL		
VISC. MEL. SD.	53	74	24.6	105	43.7	77	04	10	?	352	415	X		X	GLDL		
VISC. MEL. SD.	54	74	08.7	105	36.4	77	04	10	?	353	490	X		X	GLDL		
VISC. MEL. SD.	55	73	52.3	105	32.4	77	04	10	?	236	236	X		X	GLDL		
VISC. MEL. SD.	53	74	24.6	105	43.8	77	04	10	?	352	145	X		X	GLDL		
VISC. MEL. SD.	51	74	55.0	105	56.1	77	04	11	?	136	139	X		X	GLDL		
VISC. MEL. SD.	99	74	53.0	109	27.0	77	04	11	?	78	80	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 77-0014
YEAR:1977 VESSEL/AGENCY: HUDSON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
BARROW STRAIT	33	74 36.6	94 20.4	77 09 09 20	?	?	X		X	GLDL	
BARROW STRAIT	34	74 27.7	94 16.2	77 09 09 23	?	?	X		X	GLDL	
BARROW STRAIT	35	74 20.0	94 15.8	77 09 10 01	?	?	X		X	GLDL	
BARROW STRAIT	36	74 10.7	94 14.6	77 09 10 04	?	?	X		X	GLDL	
BARROW STRAIT	37	73 58.7	90 22.9	77 09 10 13	?	?	X		X	GLDL	
BARROW STRAIT	38	74 07.1	90 22.6	77 09 10 15	?	?	X		X	GLDL	
BARROW STRAIT	39	74 15.3	90 25.9	77 09 10 17	?	?	X		X	GLDL	
BARROW STRAIT	40	74 24.1	90 22.2	77 09 10 20	?	?	X		X	GLDL	
BARROW STRAIT	41	74 33.0	90 22.8	77 09 10 23	?	?	X		X	GLDL	
LANCASTER SD.	30	73 47.1	81 57.7	77 09 08 12	?	?	X		X	GLDL	
LANCASTER SD.	31	73 55.0	82 00.0	77 09 08 14	?	?	X		X	GLDL	
LANCASTER SD.	32	74 09.4	81 58.9	77 09 08 21	?	?	X		X	GLDL	
LANCASTER SD.	42	74 10.9	85 58.5	77 09 11 06	?	?	X		X	GLDL	
LANCASTER SD.	43	74 18.0	81 57.7	77 09 11 16	?	?	X		X	GLDL	
LANCASTER SD.	44	74 26.3	81 58.3	77 09 11 23	?	?	X		X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 77-0015
YEAR:1977 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
PR. REGENT IN.	1	71 48.0	94 32.0	77 05 ? ?	40	?	X		X	BOTT	
PR. REGENT IN.	2	71 48.0	94 32.0	77 09 02 ?	40	?	X		X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 77-0016
YEAR:1977 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
BRIDPORT INLET	2	75 00.0	108 45.0	77 06 13 ?	50	?	X		X	INST	
BRIDPORT INLET	3	75 00.0	108 45.0	77 06 09 ?	40	?	X		X	INST	
BRIDPORT INLET	4	75 00.0	108 45.0	77 06 09 ?	40	?	X		X	INST	
BRIDPORT INLET	4	75 00.0	108 45.0	77 06 14 ?	15	?	X		X	INST	
BRIDPORT INLET	5	75 00.0	108 45.0	77 06 09 ?	40	?	X		X	INST	
BRIDPORT INLET	5	75 00.0	108 45.0	77 06 14 ?	40	?	X		X	INST	
BRIDPORT INLET	6	75 00.0	108 45.0	77 06 09 ?	40	?	X		X	INST	
BRIDPORT INLET	6	75 00.0	108 45.0	77 06 14 ?	40	?	X		X	INST	
BRIDPORT INLET	1	75 00.0	108 45.0	77 08 05 ?	15	?	X		X	INST	
BRIDPORT INLET	2	75 00.0	108 45.0	77 08 06 ?	40	?	X		X	INST	
BRIDPORT INLET	2	75 00.0	108 45.0	77 08 27 ?	50	?	X		X	INST	
BRIDPORT INLET	4	75 00.0	108 45.0	77 08 07 ?	40	?			X	INST	
BRIDPORT INLET	5	75 00.0	108 45.0	77 08 11 ?	50	?	X		X	INST	
BRIDPORT INLET	5	75 00.0	108 45.0	77 08 08 ?	15	?	X		X	INST	
BRIDPORT INLET	6	75 00.0	108 45.0	77 08 05 ?	35	?			X	INST	
BRIDPORT INLET	7	75 00.0	108 45.0	77 08 08 ?	25	?			X	INST	
BRIDPORT INLET	8	75 00.0	108 45.0	77 08 09 ?	15	?	X		X	INST	
BRIDPORT INLET	9	75 00.0	108 45.0	77 08 15 ?	140	?	X		X	INST	
BRIDPORT INLET	9	75 00.0	108 45.0	77 08 26 ?	120	?	X		X	INST	

BOTTLE/CTD DATA SET NUMBER: 78-0003
YEAR:1978 VESSEL/AGENCY: PHOENIX V.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BRIDPORT INLET	1	75	02.0	108	45.0	78	04	01	?	135	140	X		X	GLDL	2	26
BRIDPORT INLET	2	75	02.0	108	45.0	78	05	05	?	130	140	X		X	GLDL	5	20
BRIDPORT INLET	3	75	02.0	108	45.0	78	06	03	?	120	140	X		X	GLDL	1	09

BOTTLE/CTD DATA SET NUMBER: 78-0004
YEAR:1978 VESSEL/AGENCY: MCGILL U.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	1	74	10.0	98	34.0	78	04	21	?	170	170	X		X	AAND	1	14
BARROW STRAIT	1	74	10.0	98	34.0	78	05	04	?	170	170	X		X	AAND	1	28
BARROW STRAIT	2	74	53.2	98	22.0	78	05	25	?	170	170	X		X	AAND	1	28
BARROW STRAIT	3	74	27.5	98	04.7	78	05	28	?	170	170	X		X	AAND	1	28

BOTTLE/CTD DATA SET NUMBER: 78-0005A
YEAR:1978 VESSEL/AGENCY: ASL

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
LANCASTER SD.	B6	74	21.8	82	00.5	78	07	28	15	663	673	X		X	GLDL		
LANCASTER SD.	B1	73	48.5	82	11.0	78	08	20	12	575	603	X		X	GLDL		
LANCASTER SD.	B2	73	59.2	82	15.3	78	08	20	15	673	700	X		X	GLDL		
LANCASTER SD.	B3	74	07.0	82	17.7	78	08	20	17	711	744	X		X	GLDL		
LANCASTER SD.	B4	74	16.9	82	21.7	78	08	21	03	787	801	X		X	GLDL		
LANCASTER SD.	B5	74	25.4	82	17.4	78	08	21	12	648	695	X		X	GLDL		
LANCASTER SD.	B1	73	48.9	82	13.1	78	09	08	14	589	607	X		X	GLDL		
LANCASTER SD.	B2	73	57.8	82	12.7	78	09	08	12	672	704	X		X	GLDL		
LANCASTER SD.	B3	74	09.1	82	15.6	78	09	07	21	743	768	X		X	GLDL		
LANCASTER SD.	B4	74	15.7	82	13.4	78	09	07	19	755	777	X		X	GLDL		
LANCASTER SD.	B5	74	24.8	82	21.2	78	09	07	17	680	691	X		X	GLDL		
LANCASTER SD.	B1	73	48.8	82	12.8	78	09	20	09	554	590	X		X	GLDL		
LANCASTER SD.	B2	73	57.3	82	13.4	78	09	20	07	671	704	X		X	GLDL		
LANCASTER SD.	B3	74	07.1	82	17.3	78	09	20	05	728	771	X		X	GLDL		
LANCASTER SD.	B4	74	15.3	82	19.7	78	09	20	03	769	799	X		X	GLDL		
LANCASTER SD.	B5	74	25.5	82	22.0	78	09	20	01	682	707	X		X	GLDL		
LANCASTER SD.	C1	73	47.6	80	06.1	78	08	01	02	799	820	X		X	GLDL		
LANCASTER SD.	C2	73	58.0	80	15.0	78	07	29	07	753	786	X		X	GLDL		
LANCASTER SD.	C3	74	09.8	80	20.1	78	07	29	04	754	788	X		X	GLDL		
LANCASTER SD.	C4	74	19.7	80	22.5	78	07	29	02	675	691	X		X	GLDL		
LANCASTER SD.	C1	73	48.4	80	11.3	78	08	05	21	709	834	X		X	GLDL		
LANCASTER SD.	C2	73	59.0	80	15.8	78	08	05	18	700	787	X		X	GLDL		
LANCASTER SD.	C3	74	10.8	80	21.3	78	08	05	23	500	786	X		X	GLDL		
LANCASTER SD.	C4	74	19.3	80	23.3	78	08	04	20	500	726	X		X	GLDL		
LANCASTER SD.	C5	74	30.6	80	23.8	78	08	04	14	500	678	X		X	GLDL		
LANCASTER SD.	C.7	73	46.1	80	16.9	78	09	04	00	469	475	X		X	GLDL		
LANCASTER SD.	C.8	73	46.5	80	13.8	78	09	04	01	619	645	X		X	GLDL		
LANCASTER SD.	C.9	73	47.3	80	11.4	78	09	04	01	753	780	X		X	GLDL		
LANCASTER SD.	C1	73	48.0	80	04.7	78	09	04	03	816	840	X		X	GLDL		
LANCASTER SD.	C2	73	59.5	80	17.2	78	09	06	20	784	797	X		X	GLDL		
LANCASTER SD.	C3	74	09.9	80	18.4	78	09	06	22	787	805	X		X	GLDL		
LANCASTER SD.	C4	74	19.7	80	22.4	78	09	07	01	664	693	X		X	GLDL		
LANCASTER SD.	C5	74	29.9	80	32.2	78	09	07	06	618	669	X		X	GLDL		
LANCASTER SD.	C1	73	48.1	80	09.4	78	09	20	17	823	850	X		X	GLDL		

LANCASTER SD.	C2	73 58.5	80 12.0	78 09 20 20	775	805	X		X	GLDL	
LANCASTER SD.	C3	74 08.9	80 18.0	78 09 21 00	770	804	X		X	GLDL	
LANCASTER SD.	C4	74 19.6	80 22.5	78 09 21 02	694	726	X		X	GLDL	
LANCASTER SD.	C5	74 28.2	80 34.0	78 09 19 14	653	690	X		X	GLDL	
LANCASTER SD.	CW	74 26.3	81 58.1	78 08 21 16	733	759	X		X	GLDL	
LANCASTER SD.	CW	74 26.4	82 02.4	78 09 07 14	724	754	X		X	GLDL	
LANCASTER SD.	CW	74 27.4	82 01.0	78 09 19 23	755	786	X		X	GLDL	
LANCASTER SD.	EM	74 06.0	81 29.9	78 07 28 19	724	743	X		X	GLDL	
LANCASTER SD.	EM	74 04.6	81 23.5	78 09 07 23	735	760	X		X	GLDL	
LANCASTER SD.	NB	73 43.2	81 00.6	78 08 19 19	301	329	X		X	GLDL	
LANCASTER SD.	NB	73 43.4	81 03.2	78 09 08 18	500	521	X		X	GLDL	
LANCASTER SD.	NB	73 42.6	81 06.1	78 09 23 00	432	466	X		X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 78-0006
YEAR:1978 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
BRIDPORT INLET	1	75 02.5	108 51.0	78 08 22 23	110	?	X		X	AAND	
BRIDPORT INLET	2	75 02.5	108 51.0	78 08 23 00	45	?	X		X	AAND	

BOTTLE/CTD DATA SET NUMBER: 78-0007
YEAR:1978 VESSEL/AGENCY: CCIW

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT NO HR
BARROW STRAIT	821	74 40.5	95 08.8	78 03 20 15	70	80	X		X	GLDL	
BARROW STRAIT	811	74 35.0	94 00.0	78 03 20 20	125	129	X		X	GLDL	
BARROW STRAIT	812	74 25.5	94 00.0	78 03 20 21	145	152	X		X	GLDL	
BARROW STRAIT	813	74 19.4	94 00.0	78 03 20 21	145	159	X		X	GLDL	
BARROW STRAIT	821	74 40.5	95 08.8	78 03 21 14	65	65	X		X	GLDL	
BARROW STRAIT	822	74 38.0	95 20.2	78 03 21 15	115	129	X		X	GLDL	
BARROW STRAIT	823	74 39.7	95 56.2	78 03 21 16	135	137	X		X	GLDL	
BARROW STRAIT	824	74 42.3	96 07.6	78 03 21 17	95	97	X		X	GLDL	
BARROW STRAIT	829	74 36.4	97 09.4	78 03 21 20	175	175	X		X	GLDL	
BARROW STRAIT	828	74 40.4	96 44.2	78 03 21 21	200	208	X		X	GLDL	
BARROW STRAIT	827	74 43.2	96 20.1	78 03 21 22	150	152	X		X	GLDL	
BARROW STRAIT	826	74 45.7	96 06.8	78 03 21 23	40	41	X		X	GLDL	
BARROW STRAIT	825	74 49.3	95 52.5	78 03 21 23	60	61	X		X	GLDL	
BARROW STRAIT	846	74 05.7	98 26.0	78 03 23 19	75	75	X		X	GLDL	
BARROW STRAIT	845	74 11.0	98 36.0	78 03 23 20	126	120	X		X	GLDL	
BARROW STRAIT	841	74 28.6	97 51.0	78 03 25 15	100	108	X		X	GLDL	
BARROW STRAIT	842	74 27.7	98 04.9	78 03 25 15	124	125	X		X	GLDL	
BARROW STRAIT	843	74 22.0	98 24.0	78 03 25 17	51	51	X		X	GLDL	
BARROW STRAIT	844	74 16.6	98 41.3	78 03 25 18	65	66	X		X	GLDL	
BARROW STRAIT	847	73 54.3	98 03.2	78 03 25 19	42	42	X		X	GLDL	
BARROW STRAIT	856	73 40.1	96 54.2	78 03 25 20	200	213	X		X	GLDL	
BARROW STRAIT	855	73 41.3	96 21.0	78 03 25 21	200	207	X		X	GLDL	
BARROW STRAIT	854	73 39.2	95 52.4	78 03 25 22	182	182	X		X	GLDL	
BARROW STRAIT	814	74 12.5	94 00.0	78 03 25 23	168	168	X		X	GLDL	
BARROW STRAIT	835	74 52.7	98 22.9	78 03 30 15	90	93	X		X	GLDL	
BARROW STRAIT	834	74 57.5	98 31.8	78 03 30 17	47	49	X		X	GLDL	
BARROW STRAIT	836	74 48.4	98 17.2	78 03 30 18	33	35	X		X	GLDL	
BARROW STRAIT	837	74 43.5	98 07.9	78 03 30 18	70	78	X		X	GLDL	
BARROW STRAIT	838	74 39.4	97 52.6	78 03 30 19	84	85	X		X	GLDL	
BARROW STRAIT	865	73 59.8	99 53.4	78 03 31 16	83	85	X		X	GLDL	
BARROW STRAIT	864	74 15.3	99 58.3	78 03 31 15	115	119	X		X	GLDL	
BARROW STRAIT	863	74 28.2	99 59.7	78 03 31 18	160	161	X		X	GLDL	
BARROW STRAIT	862	74 42.1	99 58.6	78 03 31 19	55	56	X		X	GLDL	
BARROW STRAIT	861	74 54.8	99 58.1	78 03 31 19	35	36	X		X	GLDL	
BARROW STRAIT	836	74 47.8	98 22.3	78 03 31 21	40	41	X		X	GLDL	
BARROW STRAIT	838	74 39.2	97 51.6	78 03 31 22	73	77	X		X	GLDL	
BARROW STRAIT	839	74 36.6	97 33.5	78 03 21 22	100	101	X		X	GLDL	
BARROW STRAIT	844	74 16.7	98 42.6	78 04 03 15	65	69	X		X	GLDL	
BARROW STRAIT	845	74 11.0	98 34.0	78 04 03 15	107	111	X		X	GLDL	

BARROW STRAIT	846	74 05.9	98 31.3	78	04	03	16	73	77	X		X	GLDL		
BARROW STRAIT	841	74 28.5	97 51.4	78	04	03	18	95	102	X		X	GLDL		
BARROW STRAIT	842	74 27.1	98 09.0	78	04	03	18	125	135	X		X	GLDL		
BARROW STRAIT	843	74 21.5	98 27.3	78	04	03	19	15	18	X		X	GLDL		
BARROW STRAIT	844	74 16.7	98 42.6	78	04	03	20	65	70	X		X	GLDL		
BARROW STRAIT	845	74 11.0	98 34.0	78	04	03	20	125	128	X		X	GLDL		
BARROW STRAIT	846	74 05.9	98 31.3	78	04	03	21	72	75	X		X	GLDL		
BARROW STRAIT	836	74 47.9	98 20.0	78	04	06	16	57	59	X		X	GLDL		
BARROW STRAIT	835	74 52.5	98 22.9	78	04	06	15	92	96	X		X	GLDL		
BARROW STRAIT	834	74 57.5	98 31.5	78	04	06	15	40	42	X		X	GLDL		
BARROW STRAIT	831	75 07.7	96 39.3	78	04	06	19	120	125	X		X	GLDL		
BARROW STRAIT	832	75 07.7	97 06.6	78	04	06	19	170	175	X		X	GLDL		
BARROW STRAIT	833	75 06.8	97 32.3	78	04	06	18	57	61	X		X	GLDL		
BARROW STRAIT	830	74 51.6	97 06.9	78	04	06	20	220	225	X		X	GLDL		
BARROW STRAIT	836	74 48.5	98 18.1	78	04	06	21	58	61	X		X	GLDL		
BARROW STRAIT	835	74 52.4	98 24.3	78	04	06	22	90	92	X		X	GLDL		
BARROW STRAIT	834	74 57.3	98 35.1	78	04	06	22	37	43	X		X	GLDL		
BARROW STRAIT	837	74 43.5	98 07.1	78	04	07	15	120	126	X		X	GLDL		
BARROW STRAIT	838	74 38.2	97 47.7	78	04	07	15	100	103	X		X	GLDL		
BARROW STRAIT	839	74 37.2	97 42.3	78	04	07	16	65	67	X		X	GLDL		
BARROW STRAIT	860	74 26.3	97 08.0	78	04	07	17	160	165	X		X	GLDL		
BARROW STRAIT	859	74 19.1	97 10.3	78	04	07	17	140	145	X		X	GLDL		
BARROW STRAIT	858	74 11.0	97 14.0	78	04	07	18	220	225	X		X	GLDL		
BARROW STRAIT	821	74 40.3	95 08.5	78	04	07	20	130	135	X		X	GLDL		
BARROW STRAIT	822	74 38.6	94 55.5	78	04	09	15	105	110	X		X	GLDL		
BARROW STRAIT	823	74 39.9	95 51.9	78	04	09	16	110	112	X		X	GLDL		
BARROW STRAIT	824	74 42.4	95 59.7	78	04	09	16	110	110	X		X	GLDL		
BARROW STRAIT	826	74 45.6	96 06.0	78	04	09	17	180	185	X		X	GLDL		
BARROW STRAIT	825	74 48.8	95 53.4	78	04	09	17	210	222	X		X	GLDL		
BARROW STRAIT	857	74 07.5	97 34.6	78	04	09	20	130	136	X		X	GLDL		
BARROW STRAIT	853	74 04.5	95 15.0	78	04	11	16	170	179	X		X	GLDL		
BARROW STRAIT	852	74 10.8	95 30.0	78	04	11	17	190	198	X		X	GLDL		
BARROW STRAIT	851	74 19.5	95 30.0	78	04	11	17	165	174	X		X	GLDL		
BARROW STRAIT	850	74 27.8	95 39.9	78	04	11	18	135	140	X		X	GLDL		
BARROW STRAIT	827	74 43.0	96 23.3	78	04	11	19	190	194	X		X	GLDL		
BARROW STRAIT	828	74 40.4	96 43.5	78	04	11	20	200	210	X		X	GLDL		
BARROW STRAIT	891	75 12.9	100 44.1	78	04	14	15	90	95	X		X	GLDL		
BARROW STRAIT	892	75 11.7	101 05.5	78	04	14	16	150	155	X		X	GLDL		
BARROW STRAIT	893	75 10.0	101 34.3	78	04	14	16	125	132	X		X	GLDL		
BARROW STRAIT	894	75 08.1	102 40.9	78	04	14	17	98	107	X		X	GLDL		
BARROW STRAIT	895	75 07.5	102 59.6	78	04	14	18	135	147	X		X	GLDL		
BARROW STRAIT	896	75 06.8	103 25.8	78	04	14	18	93	97	X		X	GLDL		
BARROW STRAIT	886	75 17.6	105 35.2	78	04	14	20	74	77	X		X	GLDL		
BARROW STRAIT	885	75 15.9	105 15.5	78	04	14	20	73	77	X		X	GLDL		
BARROW STRAIT	884	75 14.7	104 56.9	78	04	14	21	220	225	X		X	GLDL		
BARROW STRAIT	751	74 55.0	105 56.0	78	04	15	17	130	131	X		X	GLDL		
BARROW STRAIT	752	74 38.6	105 51.5	78	04	15	17	180	182	X		X	GLDL		
BARROW STRAIT	753	74 25.0	105 43.5	78	04	15	18	200	204	X		X	GLDL		
BARROW STRAIT	754	74 08.5	105 40.0	78	04	15	16	205	210	X		X	GLDL		
BARROW STRAIT	755	73 52.9	105 30.2	78	04	15	19	175	189	X		X	GLDL		
BARROW STRAIT	878	73 36.0	104 11.9	78	04	15	20	75	78	X		X	GLDL		
BARROW STRAIT	877	73 32.2	103 31.0	78	04	15	21	100	102	X		X	GLDL		
BARROW STRAIT	876	73 31.8	102 38.9	78	04	15	21	150	152	X		X	GLDL		
BARROW STRAIT	875	73 33.8	101 54.8	78	04	15	22	75	77	X		X	GLDL		
BARROW STRAIT	896	75 07.0	103 25.9	78	04	15	24	82	84	X		X	GLDL		
BARROW STRAIT	895	75 07.4	102 59.2	78	04	16	00	120	124	X		X	GLDL		
BARROW STRAIT	894	75 08.7	102 40.4	78	04	16	01	80	82	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 79-0011A
YEAR:1979 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	4C	73 59.3	80 18.0	79	07	18	13	769	813	X		X	GLDL		
LANCASTER SD.	5I	74 25.5	82 21.5	79	07	19	01	690	732	X		X	GLDL		
LANCASTER SD.	4F	74 31.0	80 30.0	79	07	21	05	616	662	X		X	GLDL		
LANCASTER SD.	6C	74 07.0	82 32.0	79	07	22	09	659	731	X		X	GLDL		
LANCASTER SD.	4A	73 49.0	80 10.2	79	07	30	04	827	872	X		X	GLDL		
LANCASTER SD.	4B	73 55.4	80 05.1	79	07	29	06	790	848	X		X	GLDL		
LANCASTER SD.	4C	73 59.0	80 16.7	79	07	29	07	739	819	X		X	GLDL		
LANCASTER SD.	4D	74 09.9	80 19.0	79	07	29	10	742	808	X		X	GLDL		
LANCASTER SD.	6E	74 07.2	80 58.4	79	08	01	04	748	801	X		X	GLDL		
LANCASTER SD.	6D	74 07.5	81 48.5	79	08	01	07	717	774	X		X	GLDL		
LANCASTER SD.	6C	74 07.9	82 26.0	79	08	01	09	705	740	X		X	GLDL		

LANCASTER SD.	6B	74 07.5	83 06.5	79 08 01 11	655	713	X	X	GLDL
LANCASTER SD.	6A	74 07.2	83 47.1	79 08 01 12	618	666	X	X	GLDL
LANCASTER SD.	5A	73 46.5	81 54.7	79 08 02 03	360	450	X	X	GLDL
LANCASTER SD.	5C	73 52.0	81 44.7	79 08 02 04	615	669	X	X	GLDL
LANCASTER SD.	5D	73 58.0	82 15.5	79 08 02 06	666	713	X	X	GLDL
LANCASTER SD.	5E	74 04.1	82 10.0	79 08 02 07	676	721	X	X	GLDL
LANCASTER SD.	5F	74 11.9	82 11.7	79 08 02 09	697	779	X	X	GLDL
LANCASTER SD.	5G	74 16.8	82 05.0	79 08 02 10	748	804	X	X	GLDL
LANCASTER SD.	5H	74 23.6	81 54.7	79 08 02 12	646	695	X	X	GLDL
LANCASTER SD.	8E	74 26.6	86 57.4	79 08 23 01	378	429	X	X	GLDL
LANCASTER SD.	8D	74 18.6	86 56.8	79 08 23 04	366	429	X	X	GLDL
LANCASTER SD.	8C	74 12.0	86 58.5	79 08 23 08	383	435	X	X	GLDL
LANCASTER SD.	8B	74 00.3	86 54.0	79 08 23 10	398	404	X	X	GLDL
LANCASTER SD.	7E	74 28.8	84 38.0	79 08 24 00	188	228	X	X	GLDL
LANCASTER SD.	7D	74 18.2	84 39.3	79 08 24 03	521	585	X	X	GLDL
LANCASTER SD.	7C	74 06.5	84 35.0	79 08 24 07	516	577	X	X	GLDL
LANCASTER SD.	7B	73 58.8	84 38.5	79 08 24 09	557	621	X	X	GLDL
LANCASTER SD.	7A	73 49.5	84 38.5	79 08 24 10	227	292	X	X	GLDL
LANCASTER SD.	6A	74 08.3	83 45.5	79 08 24 13	631	656	X	X	GLDL
LANCASTER SD.	6B1	74 09.9	83 10.0	79 08 24 17	677	705	X	X	GLDL
LANCASTER SD.	4D	74 10.2	80 19.8	79 09 02 00	745	780	X	X	GLDL
LANCASTER SD.	5A	73 46.0	81 56.3	79 09 02 22	329	353	X	X	GLDL
LANCASTER SD.	5D	73 57.6	82 21.5	79 09 03 07	654	689	X	X	GLDL
LANCASTER SD.	5G	74 16.7	82 05.1	79 09 03 15	738	764	X	X	GLDL
LANCASTER SD.	6A	74 07.2	83 48.4	79 09 03 24	626	660	X	X	GLDL
LANCASTER SD.	6E	74 07.1	81 02.3	79 09 04 19	747	776	X	X	GLDL
LANCASTER SD.	9B	73 37.8	89 10.8	79 09 05 13	370	385	X	X	GLDL
LANCASTER SD.	10A	73 58.0	90 10.0	79 09 05 19	113	125	X	X	GLDL
LANCASTER SD.	CH1	73 45.8	80 10.5	79 09 09 22	402	573	X	X	GLDL
LANCASTER SD.	5G	74 14.0	82 05.2	79 07 18 00	773	805	X	X	GLDL
LANCASTER SD.	7C	74 07.4	84 44.4	79 09 13 10	524	539	X	X	GLDL
LANCASTER SD.	5H	74 23.8	81 54.6	79 07 17 23	665	707	X	X	GLDL
LANCASTER SD.	5F	74 11.5	82 09.4	79 07 18 01	746	781	X	X	GLDL
LANCASTER SD.	5E	74 03.0	82 10.0	79 07 18 03	689	713	X	X	GLDL
LANCASTER SD.	5D	73 55.7	82 15.8	79 07 18 04	673	713	X	X	GLDL
LANCASTER SD.	5B	73 46.1	82 06.4	79 07 18 06	601	658	X	X	GLDL
LANCASTER SD.	4A	73 48.5	80 11.0	79 07 18 10	753	867	X	X	GLDL
LANCASTER SD.	4B	73 55.3	80 04.0	79 07 18 11	778	819	X	X	GLDL
LANCASTER SD.	6A	74 08.4	83 52.5	79 09 13 17	634	695	X	X	GLDL
LANCASTER SD.	5I	74 25.5	82 21.5	79 07 19 03	677	732	X	X	GLDL
LANCASTER SD.	6B	74 07.7	83 12.3	79 07 19 08	651	695	X	X	GLDL
LANCASTER SD.	6D	74 08.3	81 48.2	79 07 19 12	748	777	X	X	GLDL
LANCASTER SD.	6D	74 07.3	81 50.0	79 09 20 02	671	709	X	X	GLDL
LANCASTER SD.	5C	73 52.2	81 44.7	79 09 23 01	506	638	X	X	GLDL
LANCASTER SD.	6E	74 07.2	81 00.0	79 07 19 15	782	805	X	X	GLDL
LANCASTER SD.	4D	74 09.9	80 19.0	79 07 19 17	780	808	X	X	GLDL
LANCASTER SD.	4E	74 19.2	80 22.0	79 07 19 21	673	726	X	X	GLDL
LANCASTER SD.	4F	74 30.3	80 32.3	79 07 30 04	621	662	X	X	GLDL
LANCASTER SD.	4F	74 31.6	80 23.7	79 09 01 19	609	635	X	X	GLDL
LANCASTER SD.	4E	74 19.5	80 23.2	79 09 01 21	666	690	X	X	GLDL
LANCASTER SD.	4B	73 55.3	80 05.9	79 09 02 10	745	780	X	X	GLDL
LANCASTER SD.	4A	73 49.0	80 11.0	79 09 02 13	635	810	X	X	GLDL
LANCASTER SD.	5B	73 47.7	82 15.5	79 09 03 01	442	494	X	X	GLDL
LANCASTER SD.	5C	73 51.8	81 35.9	79 09 03 04	618	656	X	X	GLDL
LANCASTER SD.	5E	74 02.9	82 10.6	79 09 03 09	623	670	X	X	GLDL
LANCASTER SD.	5F	74 11.9	82 12.2	79 09 03 13	716	748	X	X	GLDL
LANCASTER SD.	5H	74 23.6	81 52.7	79 09 03 17	647	670	X	X	GLDL
LANCASTER SD.	5I	74 25.1	82 21.2	79 09 03 20	647	675	X	X	GLDL
LANCASTER SD.	6B	74 07.4	83 11.1	79 09 04 02	641	677	X	X	GLDL
LANCASTER SD.	6C	74 07.6	82 32.3	79 09 04 13	689	715	X	X	GLDL
LANCASTER SD.	6D	74 06.8	81 49.7	79 09 04 15	668	722	X	X	GLDL
LANCASTER SD.	8A	73 50.5	86 58.3	79 09 05 07	179	202	X	X	GLDL
LANCASTER SD.	9A	73 33.9	88 26.2	79 09 05 11	197	222	X	X	GLDL
LANCASTER SD.	9C	73 42.3	89 39.3	79 09 05 15	305	320	X	X	GLDL
LANCASTER SD.	9D	73 46.7	90 10.4	79 09 05 17	251	265	X	X	GLDL
LANCASTER SD.	10B	74 06.0	90 00.7	79 09 05 22	177	191	X	X	GLDL
LANCASTER SD.	10C1	74 14.3	89 31.0	79 09 06 03	217	243	X	X	GLDL
LANCASTER SD.	10D1	74 19.6	89 13.6	79 09 06 05	217	248	X	X	GLDL
LANCASTER SD.	CH2	73 45.8	80 00.0	79 09 09 23	583	700	X	X	GLDL
LANCASTER SD.	CH4	73 48.3	80 08.6	79 09 10 04	618	695	X	X	GLDL
LANCASTER SD.	7A	73 51.7	84 46.0	79 09 13 02	345	385	X	X	GLDL
LANCASTER SD.	7B	73 58.9	84 39.8	79 09 13 08	573	589	X	X	GLDL
LANCASTER SD.	7D	74 18.0	84 39.8	79 09 13 12	510	595	X	X	GLDL
LANCASTER SD.	7E	74 29.0	84 39.5	79 09 13 14	151	190	X	X	GLDL
LANCASTER SD.	6B	74 07.2	83 10.7	79 09 13 19	671	715	X	X	GLDL
LANCASTER SD.	6C	73 59.9	82 32.3	79 09 14 02	657	663	X	X	GLDL
LANCASTER SD.	4F	74 31.0	80 27.4	79 09 19 13	610	636	X	X	GLDL
LANCASTER SD.	4E	74 19.4	80 22.5	79 09 19 20	670	695	X	X	GLDL
LANCASTER SD.	6E	74 07.6	80 59.7	79 09 19 23	731	823	X	X	GLDL
LANCASTER SD.	5E	74 02.7	82 09.9	79 09 20 03	657	731	X	X	GLDL
LANCASTER SD.	5D	73 58.0	82 15.3	79 09 20 04	577	722	X	X	GLDL
LANCASTER SD.	5B	73 49.4	82 12.8	79 09 20 18	442	649	X	X	GLDL
LANCASTER SD.	4A	73 48.4	80 11.1	79 09 22 00	679	816	X	X	GLDL

LANCASTER SD.	4B	73 55.3	80 05.5	79 09 22 02	747	788	X		X	GLDL		
LANCASTER SD.	4C	73 58.6	80 12.4	79 09 22 04	747	780	X		X	GLDL		
LANCASTER SD.	5H	74 24.6	81 56.4	79 09 22 17	612	656	X		X	GLDL		
LANCASTER SD.	5G	74 17.0	82 06.3	79 09 22 18	689	761	X		X	GLDL		
LANCASTER SD.	5F	74 11.8	82 11.8	79 09 22 19	699	755	X		X	GLDL		
LANCASTER SD.	5A	73 46.4	81 54.2	79 09 23 00	374	415	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 79-0014
YEAR:1979 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BRIDPORT INLET	1	75 00.7	108 48.0	79 03 12 22	136	141	X		X	GLDL		
BRIDPORT INLET	1	75 00.7	108 48.0	79 03 13 17	135	141	X		X	GLDL	1	16
BRIDPORT INLET	CT-1	75 04.2	108 47.5	79 03 19 19	26	28	X		X	GLDL	0	02
BRIDPORT INLET	CT-2	74 58.80	108 53.0	79 03 20 19	80	87	X		X	GLDL	.5	16
BRIDPORT INLET	CM-1	74 57.8	108 55.0	79 03 25 23	68	72	X		X	GLDL	.1	06
BRIDPORT INLET	CM-2	74 59.7	108 51.0	79 03 26 21	75	83	X		X	GLDL	.1	08
BRIDPORT INLET	CT-2	75 03.7	108 45.7	79 03 28 03	27	30	X		X	GLDL	.1	06
BRIDPORT INLET	CM-3	75 03.5	108 46.3	79 03 28 15	65	70	X		X	GLDL	.1	05
BRIDPORT INLET	3	74 59.3	108 37.0	79 03 28 21	67	70	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 79-0015
YEAR:1979 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	CW01	74 30.1	81 32.0	79 07 08 18	225	?	X		X	CT12		
LANCASTER SD.	CW02	74 28.9	81 26.4	79 07 08 19	240	?	X		X	CT12		
LANCASTER SD.	CW03	74 28.1	81 32.0	79 07 08 19	240	?	X		X	CT12		
LANCASTER SD.	CW04	74 29.1	81 36.5	79 07 08 20	240	?	X		X	CT12		
LANCASTER SD.	CW05	74 29.7	81 37.0	79 07 08 20	95	?	X		X	CT12		
LANCASTER SD.	CW06	74 28.9	81 39.7	79 07 08 21	190	?	X		X	CT12		
LANCASTER SD.	CW07	74 28.0	81 39.0	79 07 08 21	240	?	X		X	CT12		
LANCASTER SD.	CW17	74 28.1	81 50.0	79 08 08 16	210	?	X		X	CT12		
LANCASTER SD.	CW18	74 27.4	81 49.9	79 08 08 16	250	?	X		X	CT12		
LANCASTER SD.	CW19	74 26.6	81 49.9	79 08 08 17	250	?	X		X	CT12		
LANCASTER SD.	CW20	74 26.5	81 52.0	79 08 08 17	250	?	X		X	CT12		
LANCASTER SD.	CW21	74 27.1	81 53.2	79 08 08 18	250	?	X		X	CT12		
LANCASTER SD.	CW22	74 27.5	81 54.9	79 08 08 18	248	?	X		X	CT12		
LANCASTER SD.	CW23	74 28.9	81 58.5	79 08 08 19	8	?	X		X	CT12		
LANCASTER SD.	CW23	74 28.9	81 58.5	79 08 08 19	233	?	X		X	CT12		
LANCASTER SD.	CW24	74 27.5	81 58.5	79 08 08 20	250	?	X		X	CT12		
LANCASTER SD.	CW25	74 26.8	81 59.0	79 08 08 20	250	?	X		X	CT12		

BOTTLE/CTD DATA SET NUMBER: 80-0007
YEAR:1980 VESSEL/AGENCY: HUDSON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
LANCASTER SD.	50	73 44.7	81 46.5	80 08 05 08	240	?	X		X	GLDL		
LANCASTER SD.	51	73 47.0	81 45.7	80 08 05 09	570	?	X		X	GLDL		
LANCASTER SD.	52	73 52.6	81 47.5	80 08 05 14	622	?	X		X	GLDL		
LANCASTER SD.	53	73 58.0	81 46.0	80 08 05 19	650	?	X		X	GLDL		
LANCASTER SD.	54	74 06.0	81 46.0	80 08 05 20	713	?	X		X	GLDL		
LANCASTER SD.	55	74 11.0	81 46.5	80 08 05 23	732	?	X		X	GLDL		

LANCASTER SD.	56	74	19.7	81	46.5	80	08	06	01	680	?	X		X	GLDL
LANCASTER SD.	57	74	24.3	81	46.5	80	08	06	03	660	?	X		X	GLDL
LANCASTER SD.	58	74	27.0	81	45.0	80	08	06	04	720	?	X		X	GLDL
LANCASTER SD.	67	74	26.3	86	00.3	80	08	06	13	503	?	X		X	GLDL
LANCASTER SD.	66	74	28.0	85	56.5	80	08	06	16	219	?	X		X	GLDL
LANCASTER SD.	60	73	53.6	86	00.0	80	08	06	23	238	?	X		X	GLDL
LANCASTER SD.	61	74	01.8	86	00.0	80	08	07	02	420	?	X		X	GLDL
LANCASTER SD.	62	74	06.9	86	00.0	80	08	07	04	510	?	X		X	GLDL
LANCASTER SD.	63	74	11.5	86	00.0	80	08	07	05	515	?	X		X	GLDL
LANCASTER SD.	64	74	16.3	86	00.0	80	08	07	08	530	?	X		X	GLDL
LANCASTER SD.	65	74	21.0	86	00.0	80	08	07	09	550	?	X		X	GLDL
LANCASTER SD.	75	73	55.4	89	43.7	80	08	08	01	285	?	X		X	GLDL
LANCASTER SD.	74	74	01.0	89	44.0	80	08	08	03	235	?	X		X	GLDL
LANCASTER SD.	73	74	06.0	89	44.0	80	08	08	05	200	?	X		X	GLDL
LANCASTER SD.	72	74	11.0	89	43.0	80	08	08	06	220	?	X		X	GLDL
LANCASTER SD.	71	74	17.0	89	47.0	80	08	08	07	220	?	X		X	GLDL
LANCASTER SD.	70	74	20.0	89	45.0	80	08	08	10	280	?	X		X	GLDL
LANCASTER SD.	69	74	25.9	89	44.3	80	08	08	12	300	?	X		X	GLDL
LANCASTER SD.	68	74	31.0	89	45.0	80	08	08	13	215	?	X		X	GLDL
LANCASTER SD.	81	73	48.3	81	05.5	80	08	12	13	620	?	X		X	GLDL
BARROW STRAIT	82	74	37.9	93	39.0	80	08	13	16	95	?	X		X	GLDL
BARROW STRAIT	83	74	33.0	93	39.0	80	08	13	19	135	?	X		X	GLDL
BARROW STRAIT	84	74	28.0	93	39.0	80	08	13	21	160	?	X		X	GLDL
BARROW STRAIT	85	74	22.6	93	39.0	80	08	13	21	160	?	X		X	GLDL
BARROW STRAIT	86	74	18.0	93	39.7	80	08	13	23	160	?	X		X	GLDL
BARROW STRAIT	87	74	12.0	93	31.0	80	08	14	01	140	?	X		X	GLDL
BARROW STRAIT	88	74	40.2	93	26.0	80	08	14	07	85	?	X		X	GLDL
BARROW STRAIT	89	74	40.8	93	14.0	80	08	14	08	135	?	X		X	GLDL
BARROW STRAIT	90	74	41.0	92	55.0	80	08	14	09	140	?	X		X	GLDL
BARROW STRAIT	91	74	36.0	92	50.5	80	08	14	10	145	?	X		X	GLDL
BARROW STRAIT	92	74	29.2	92	06.8	80	08	14	12	190	?	X		X	GLDL
BARROW STRAIT	93	74	41.0	91	51.0	80	08	14	15	100	?	X		X	GLDL
LANCASTER SD.	94	74	31.0	89	45.5	80	08	14	21	238	?	X		X	GLDL
LANCASTER SD.	95	74	25.8	89	45.1	80	08	15	00	300	?	X		X	GLDL
LANCASTER SD.	96	74	21.0	89	46.0	80	08	15	01	300	?	X		X	GLDL
LANCASTER SD.	97	74	16.5	89	46.0	80	08	15	02	210	?	X		X	GLDL
LANCASTER SD.	98	74	10.2	89	44.0	80	08	15	03	210	?	X		X	GLDL
LANCASTER SD.	99	74	04.2	89	45.0	80	08	15	05	210	?	X		X	GLDL
LANCASTER SD.	100	73	59.5	89	42.5	80	08	15	06	250	?	X		X	GLDL
LANCASTER SD.	101	73	53.6	89	44.0	80	08	15	07	295	?	X		X	GLDL
PR. REGENT IN.	102	73	48.4	89	40.5	80	08	15	08	310	?	X		X	GLDL
PR. REGENT IN.	103	73	37.6	89	44.0	80	08	15	10	330	?	X		X	GLDL
PR. REGENT IN.	104	73	32.6	89	47.0	80	08	15	14	365	?	X		X	GLDL
PR. REGENT IN.	105	73	25.8	89	44.0	80	08	15	16	440	?	X		X	GLDL
PR. REGENT IN.	106	73	21.1	89	40.0	80	08	15	18	440	?	X		X	GLDL
PR. REGENT IN.	107	73	15.5	89	43.0	80	08	15	20	430	?	X		X	GLDL
PR. REGENT IN.	108	73	29.8	88	31.0	80	08	16	00	128	?	X		X	GLDL
PR. REGENT IN.	109	73	32.7	88	47.3	80	08	16	01	310	?	X		X	GLDL
PR. REGENT IN.	110	73	36.0	89	03.0	80	08	16	02	384	?	X		X	GLDL
PR. REGENT IN.	111	73	39.0	89	18.0	80	08	16	03	420	?	X		X	GLDL
PR. REGENT IN.	112	73	42.2	89	34.0	80	08	16	04	365	?	X		X	GLDL
PR. REGENT IN.	113	73	45.1	89	50.5	80	08	16	05	310	?	X		X	GLDL
PR. REGENT IN.	114	73	48.2	90	05.5	80	08	16	07	295	?	X		X	GLDL
PR. REGENT IN.	115	73	49.0	90	11.0	80	08	16	?	200	?	X		X	GLDL
LANCASTER SD.	126	73	44.0	81	45.0	80	08	18	20	225	?	X		X	GLDL
LANCASTER SD.	125	73	50.0	81	42.0	80	08	19	01	622	?	X		X	GLDL
LANCASTER SD.	124	73	54.8	81	46.0	80	08	19	04	631	?	X		X	GLDL
LANCASTER SD.	123	74	01.0	81	46.0	80	08	19	06	715	?	X		X	GLDL
LANCASTER SD.	122	74	06.2	81	46.0	80	08	19	09	710	?	X		X	GLDL
LANCASTER SD.	121	74	12.8	81	46.0	80	08	19	13	760	?	X		X	GLDL
LANCASTER SD.	119	74	22.5	81	48.0	80	08	19	22	680	?	X		X	GLDL
LANCASTER SD.	118	74	27.0	81	43.5	80	08	20	01	719	?	X		X	GLDL

BOTTLE/CTD DATA SET NUMBER: 80-0009
YEAR:1980 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BRIDPORT INLET	CM10	75	01.1	108	52.9	80	03	30	18	61	65	X		X	GLDL	1	03
BRIDPORT INLET	CM09	74	59.8	108	51.7	80	03	30	23	45	50	X		X	GLDL	.3	03
BRIDPORT INLET	CM08	74	59.7	108	50.9	80	03	31	13	75	80	X		X	GLDL	.3	03
BRIDPORT INLET	CM07	74	59.7	108	50.1	80	03	31	18	100	109	X		X	GLDL	.3	03
BRIDPORT INLET	CM06	74	59.5	108	49.3	80	03	31	20	20	26	X		X	GLDL	.3	03
BRIDPORT INLET	CM05	75	00.3	108	42.3	80	04	01	17	25	28	X		X	GLDL	.1	05

BRIDPORT INLET	CM04	75 02.1	108 41.3	80	04	02	15	58	62	X		X	GLDL	.3	03
BRIDPORT INLET	80-1	75 02.9	108 48.7	80	04	06	02	210	120	X		X	GLDL	.1	04
BRIDPORT INLET	80-2	75 00.9	108 48.5	80	04	07	17	130	137	X		X	GLDL	.5	13
BRIDPORT INLET	80-3	74 59.7	108 50.1	80	04	08	16	100	109	X		X	GLDL	.3	30
BRIDPORT INLET	80-4	74 58.1	108 53.0	80	04	09	16	60	64	X		X	GLDL	1.	11
BRIDPORT INLET	80-3	74 59.7	108 50.1	80	04	10	15	100	109	X		X	GLDL		
BRIDPORT INLET	80-2	75 00.9	108 48.5	80	04	10	17	130	137	X		X	GLDL		
BRIDPORT INLET	80-1	75 02.9	108 48.7	80	04	10	20	100	120	X		X	GLDL		
BRIDPORT INLET	80-5	74 59.3	108 37.6	80	04	12	17	65	74	X		X	GLDL	.5	03
BRIDPORT INLET	CM04	75 02.1	108 41.3	80	04	22	17	58	62	X		X	GLDL	.3	03
BRIDPORT INLET	CM05	75 00.3	108 42.3	80	04	23	16	25	28	X		X	GLDL	.3	04
BRIDPORT INLET	CM06	74 59.5	108 49.3	80	04	23	19	22	26	X		X	GLDL	.3	03
BRIDPORT INLET	CM07	74 59.7	108 50.1	80	04	23	21	100	109	X		X	GLDL	.3	07
BRIDPORT INLET	CM08	74 59.7	108 50.9	80	04	24	14	80	80	X		X	GLDL	.3	03
BRIDPORT INLET	CM09	74 59.8	108 51.7	80	04	24	16	45	50	X		X	GLDL	.3	03
BRIDPORT INLET	CM10	75 01.1	108 52.9	80	04	24	17	61	65	X		X	GLDL	.3	03

BOTTLE/CTD DATA SET NUMBER: 81-0007
YEAR:1981 VESSEL/AGENCY: CCIW

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BARROW STRAIT	47	74 11.3	93 45.9	81	03	31	19	101	?	X		X	GLDL		
BARROW STRAIT	46	74 13.0	93 47.8	81	03	31	20	163	?	X		X	GLDL		
BARROW STRAIT	45	74 17.5	93 51.0	81	03	31	21	170	?	X		X	GLDL		
BARROW STRAIT	85	74 41.6	95 48.2	81	04	01	15	165	?	X		X	GLDL		
BARROW STRAIT	84	74 41.6	96 00.0	81	04	01	16	241	?	X		X	GLDL		
BARROW STRAIT	83	73 41.6	96 18.9	81	04	01	17	254	?	X		X	GLDL		
BARROW STRAIT	82	73 41.6	96 37.0	81	04	01	18	213	?	X		X	GLDL		
BARROW STRAIT	81	73 41.6	96 18.9	81	04	01	19	226	?	X		X	GLDL		
BARROW STRAIT	83	73 41.6	96 18.5	81	04	01	19	254	?	X		X	GLDL		
BARROW STRAIT	33	74 29.0	95 13.6	81	04	02	15	131	?	X		X	GLDL		
BARROW STRAIT	34	74 25.4	95 08.0	81	04	02	16	154	?	X		X	GLDL		
BARROW STRAIT	35	74 18.9	95 58.4	81	04	02	17	184	?	X		X	GLDL		
BARROW STRAIT	36	74 12.3	94 49.0	81	04	02	19	200	?	X		X	GLDL		
BARROW STRAIT	37	74 07.5	94 42.0	81	04	02	20	183	?	X		X	GLDL		
BARROW STRAIT	32	74 35.5	95 11.8	81	04	02	21	106	?	X		X	GLDL		
BARROW STRAIT	31	74 38.4	95 11.8	81	04	02	22	104	?	X		X	GLDL		
BARROW STRAIT	74	75 05.5	96 42.2	81	04	06	14	105	?	X		X	GLDL		
BARROW STRAIT	73	75 06.5	96 57.4	81	04	06	16	189	?	X		X	GLDL		
BARROW STRAIT	11	74 58.7	97 52.0	81	04	06	18	59	?	X		X	GLDL		
BARROW STRAIT	85	73 41.6	95 48.2	81	04	08	15	167	?	X		X	GLDL		
BARROW STRAIT	84	73 41.6	96 00.0	81	04	08	15	253	?	X		X	GLDL		
BARROW STRAIT	82	73 41.6	96 37.0	81	04	08	16	212	?	X		X	GLDL		
BARROW STRAIT	83	73 41.6	96 18.5	81	04	08	17	254	?	X		X	GLDL		
BARROW STRAIT	81	73 41.6	96 49.0	81	04	08	18	227	?	X		X	GLDL		
BARROW STRAIT	27	74 02.3	95 23.8	81	04	08	20	196	?	X		X	GLDL		
BARROW STRAIT	26	74 08.8	95 41.0	81	04	08	20	161	?	X		X	GLDL		
BARROW STRAIT	31	74 38.4	95 01.1	81	04	08	22	105	?	X		X	GLDL		
BARROW STRAIT	85	74 41.6	95 48.2	81	04	17	15	163	?	X		X	GLDL		
BARROW STRAIT	84	74 41.6	96 00.0	81	04	17	16	242	?	X		X	GLDL		
BARROW STRAIT	81	74 41.6	96 49.0	81	04	17	17	300	?	X		X	GLDL		
BARROW STRAIT	82	74 41.6	96 37.0	81	04	17	18	212	?	X		X	GLDL		
BARROW STRAIT	83	74 41.6	96 18.5	81	04	17	19	255	?	X		X	GLDL		
BARROW STRAIT	37	74 07.5	94 42.0	81	04	17	21	124	?	X		X	GLDL		
BARROW STRAIT	36	74 12.3	94 49.0	81	04	17	21	172	?	X		X	GLDL		
BARROW STRAIT	35	74 18.9	94 58.4	81	04	17	22	178	?	X		X	GLDL		
BARROW STRAIT	34	74 25.4	95 08.0	81	04	17	22	187	?	X		X	GLDL		
BARROW STRAIT	33	74 29.0	95 13.6	81	04	17	23	164	?	X		X	GLDL		
BARROW STRAIT	32	74 35.5	95 11.8	81	04	17	23	111	?	X		X	GLDL		
BARROW STRAIT	31	74 38.4	95 01.1	81	04	18	00	104	?	X		X	GLDL		
BARROW STRAIT	41	74 36.2	94 02.8	81	04	18	14	84	?	X		X	GLDL		
BARROW STRAIT	42	74 34.0	94 01.1	81	04	18	15	126	?	X		X	GLDL		
BARROW STRAIT	43	74 29.0	93 57.5	81	04	18	15	152	?	X		X	GLDL		
BARROW STRAIT	44	74 24.1	93 54.7	81	04	18	16	146	?	X		X	GLDL		
BARROW STRAIT	45	74 17.5	93 51.0	81	04	18	16	159	?	X		X	GLDL		
BARROW STRAIT	46	74 13.3	93 38.4	81	04	18	17	167	?	X		X	GLDL		
BARROW STRAIT	47	74 11.3	93 45.9	81	04	18	17	38	?	X		X	GLDL		
BARROW STRAIT	17	74 08.3	97 51.9	81	04	19	15	103	?	X		X	GLDL		
BARROW STRAIT	18	74 04.4	97 21.0	81	04	19	16	264	?	X		X	GLDL		
BARROW STRAIT	16	74 12.3	97 49.3	81	04	19	16	174	?	X		X	GLDL		
BARROW STRAIT	15	74 21.6	97 43.0	81	04	19	18	130	?	X		X	GLDL		
BARROW STRAIT	14	74 26.9	97 39.6	81	04	19	18	118	?	X		X	GLDL		
BARROW STRAIT	13	74 41.6	97 09.0	81	04	19	19	330	?	X		X	GLDL		

BARROW STRAIT	12	74 51.8	97 34.6	81	04	19	20	308	?	X		X	GLDL		
BARROW STRAIT	11	74 51.8	97 52.0	81	04	19	21	159	?	X		X	GLDL		
BARROW STRAIT	71	75 08.5	97 27.3	81	04	19	21	83	?	X		X	GLDL		
BARROW STRAIT	72	75 07.2	97 12.0	81	04	19	22	174	?	X		X	GLDL		
BARROW STRAIT	73	75 06.5	96 57.4	81	04	19	23	204	?	X		X	GLDL		
BARROW STRAIT	74	75 05.5	96 42.2	81	04	19	23	200	?	X		X	GLDL		
BARROW STRAIT	67	74 09.5	92 47.5	81	04	20	15	119	?	X		X	GLDL		
BARROW STRAIT	66	74 12.0	92 42.0	81	04	20	16	161	?	X		X	GLDL		
BARROW STRAIT	65	74 17.8	92 30.0	81	04	20	17	175	?	X		X	GLDL		
BARROW STRAIT	64	74 24.4	92 16.5	81	04	20	17	280	?	X		X	GLDL		
BARROW STRAIT	63	74 30.7	92 03.3	81	04	20	18	282	?	X		X	GLDL		
BARROW STRAIT	62	74 37.0	91 50.0	81	04	20	19	187	?	X		X	GLDL		
BARROW STRAIT	61	74 39.9	91 43.2	81	04	20	19	111	?	X		X	GLDL		
BARROW STRAIT	53	74 34.0	92 57.8	81	04	20	21	169	?	X		X	GLDL		
BARROW STRAIT	54	74 29.6	92 39.6	81	04	20	22	187	?	X		X	GLDL		
BARROW STRAIT	52	74 37.4	93 12.8	81	04	20	22	128	?	X		X	GLDL		
BARROW STRAIT	51	74 39.5	93 21.4	81	04	20	23	124	?	X		X	GLDL		
BARROW STRAIT	21	74 47.6	95 55.0	81	04	21	14	143	?	X		X	GLDL		
BARROW STRAIT	22	74 41.3	96 18.9	81	04	21	15	221	?	X		X	GLDL		
BARROW STRAIT	23	74 32.7	96 15.0	81	04	21	15	193	?	X		X	GLDL		
BARROW STRAIT	55	74 41.0	92 37.0	81	04	25	15	133	?	X		X	GLDL		
BARROW STRAIT	24	74 24.8	96 24.5	81	04	25	16	192	?	X		X	GLDL		
BARROW STRAIT	25	74 13.0	96 24.5	81	04	25	17	189	?	X		X	GLDL		
BARROW STRAIT	19	73 57.0	96 15.0	81	04	25	18	219	?	X		X	GLDL		
BARROW STRAIT	95	74 52.8	92 11.0	81	04	25	20	86	?	X		X	GLDL		
BARROW STRAIT	94	74 52.8	92 25.8	81	04	25	21	142	?	X		X	GLDL		
BARROW STRAIT	93	74 52.8	92 43.0	81	04	25	21	131	?	X		X	GLDL		
BARROW STRAIT	92	74 52.8	92 06.0	81	04	25	22	184	?	X		X	GLDL		
BARROW STRAIT	91	74 52.8	92 20.0	81	04	25	22	137	?	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 82-0002
YEAR: 1982 VESSEL/AGENCY: CCIW

AREA	STN	LAT	. LON	DATE				CAST	WATER	PARAM			INSTR	INT	NO
		DEG MIN	DEG MIN	YR	MO	DY	HR	TO (M)	DEPTH (M)	MEAS C	S	T		HR	
BARROW STRAIT	31	74 38.4	95 01.1	82	03	16	17	105	105	X		X	GLDL		
BARROW STRAIT	31	74 38.4	95 01.1	82	03	16	17	104	105	X		X	GLDL		
BARROW STRAIT	40	74 11.1	93 36.1	82	03	27	15	18	20	X		X	GLDL		
BARROW STRAIT	47	74 11.3	93 33.9	82	03	27	15	46	55	X		X	GLDL		
BARROW STRAIT	46	74 13.1	93 41.0	82	03	27	16	160	168	X		X	GLDL		
BARROW STRAIT	49	74 15.6	93 40.0	82	03	27	16	178	171	X		X	GLDL		
BARROW STRAIT	45	74 17.7	93 44.0	82	03	27	18	157	160	X		X	GLDL		
BARROW STRAIT	44	74 24.1	93 54.7	82	03	27	19	142	145	X		X	GLDL		
BARROW STRAIT	43	74 29.0	93 57.5	82	03	27	20	131	140	X		X	GLDL		
BARROW STRAIT	47	74 11.3	93 33.9	82	03	29	15	83	83	X		X	GLDL		
BARROW STRAIT	48	74 12.6	93 36.0	82	03	29	16	136	145	X		X	GLDL		
BARROW STRAIT	46	74 13.1	93 41.1	82	03	29	16	163	164	X		X	GLDL		
BARROW STRAIT	49	74 15.6	93 40.0	82	03	29	17	166	176	X		X	GLDL		
BARROW STRAIT	45	74 17.7	93 44.0	82	03	29	17	172	175	X		X	GLDL		
BARROW STRAIT	44	74 24.1	93 54.7	82	03	29	19	161	164	X		X	GLDL		
BARROW STRAIT	44	74 24.1	93 54.7	82	03	29	20	151	158	X		X	GLDL		
BARROW STRAIT	43	74 29.0	93 57.5	82	03	29	21	144	147	X		X	GLDL		
BARROW STRAIT	42	74 34.0	94 01.1	82	03	29	21	129	132	X		X	GLDL		
BARROW STRAIT	41	74 36.2	94 02.8	82	03	29	22	99	99	X		X	GLDL		
BARROW STRAIT	37	74 07.5	94 42.0	82	03	30	14	143	145	X		X	GLDL		
BARROW STRAIT	36	74 12.3	94 49.0	82	03	30	15	182	185	X		X	GLDL		
BARROW STRAIT	35	74 18.9	94 58.4	82	03	30	16	174	177	X		X	GLDL		
BARROW STRAIT	34	74 25.4	95 08.0	82	03	30	16	170	172	X		X	GLDL		
BARROW STRAIT	33	74 29.0	95 13.6	82	03	30	17	148	152	X		X	GLDL		
BARROW STRAIT	32	74 35.5	95 11.8	82	03	30	19	107	108	X		X	GLDL		
BARROW STRAIT	31	74 38.4	95 01.1	82	03	30	20	107	108	X		X	GLDL		
BARROW STRAIT	61	74 40.0	91 48.0	82	03	31	14	116	118	X		X	GLDL		
BARROW STRAIT	62	74 35.8	91 48.0	82	03	31	15	132	133	X		X	GLDL		
BARROW STRAIT	63	74 30.0	91 48.0	82	03	31	15	143	148	X		X	GLDL		
BARROW STRAIT	64	74 24.2	91 48.0	82	03	31	16	244	248	X		X	GLDL		
BARROW STRAIT	65	74 19.6	92 07.0	82	03	31	16	280	284	X		X	GLDL		
BARROW STRAIT	66	74 14.6	92 27.0	82	03	31	17	172	174	X		X	GLDL		
BARROW STRAIT	67	74 09.5	92 47.5	82	03	31	19	136	138	X		X	GLDL		
BARROW STRAIT	46	74 13.1	93 41.1	82	03	31	19	164	166	X		X	GLDL		
BARROW STRAIT	46	74 13.1	93 41.1	82	03	31	20	164	166	X		X	GLDL		
BARROW STRAIT	74	75 05.5	96 42.2	82	04	01	17	142	143	X		X	GLDL		
BARROW STRAIT	73	75 06.5	96 57.4	82	04	01	17	227	230	X		X	GLDL		
BARROW STRAIT	73	75 06.5	96 57.4	82	04	01	18	227	230	X		X	GLDL		
BARROW STRAIT	72	75 07.2	97 12.0	82	04	01	18	193	194	X		X	GLDL		

BARROW STRAIT	75	74	55.3	97	00.0	82	04	02	14	260	265	X	X	GLDL
BARROW STRAIT	71	75	08.5	97	27.3	82	04	02	15	140	140	X	X	GLDL
BARROW STRAIT	10	74	58.5	98	06.0	82	04	02	16	111	113	X	X	GLDL
BARROW STRAIT	11	74	53.3	97	55.3	82	04	02	16	94	94	X	X	GLDL
BARROW STRAIT	12	74	46.1	97	42.5	82	04	02	17	134	134	X	X	GLDL
BARROW STRAIT	13	74	40.0	97	31.0	82	04	02	17	162	164	X	X	GLDL
BARROW STRAIT	14	74	27.4	97	23.0	82	04	02	19	131	132	X	X	GLDL
BARROW STRAIT	15	74	20.2	96	48.5	82	04	02	19	164	165	X	X	GLDL
BARROW STRAIT	25	74	13.1	96	14.0	82	04	02	20	226	227	X	X	GLDL
BARROW STRAIT	26	74	05.6	95	38.0	82	04	02	21	189	190	X	X	GLDL
BARROW STRAIT	27	74	02.3	95	23.8	82	04	02	22	188	190	X	X	GLDL
BARROW STRAIT	23	74	33.4	95	54.0	82	04	03	14	146	146	X	X	GLDL
BARROW STRAIT	24	74	28.6	96	14.0	82	04	03	14	174	174	X	X	GLDL
BARROW STRAIT	15	74	20.2	96	48.5	82	04	03	15	154	164	X	X	GLDL
BARROW STRAIT	16	74	11.8	97	23.0	82	04	03	15	177	180	X	X	GLDL
BARROW STRAIT	17	74	07.9	97	37.0	82	04	03	16	231	232	X	X	GLDL
BARROW STRAIT	18	73	55.0	97	02.0	82	04	03	17	309	312	X	X	GLDL
BARROW STRAIT	19	73	57.0	96	15.0	82	04	03	18	212	212	X	X	GLDL
BARROW STRAIT	85	73	41.6	95	48.2	82	04	03	19	161	162	X	X	GLDL
BARROW STRAIT	84	73	41.6	96	00.0	82	04	03	20	240	242	X	X	GLDL
BARROW STRAIT	83	73	41.6	96	18.5	82	04	03	20	257	260	X	X	GLDL
BARROW STRAIT	82	73	41.6	96	37.0	82	04	03	21	218	218	X	X	GLDL
BARROW STRAIT	81	73	41.6	96	49.0	82	04	03	21	235	237	X	X	GLDL
BARROW STRAIT	41	74	36.2	94	02.8	82	04	04	16	99	100	X	X	GLDL
BARROW STRAIT	42	74	34.0	94	01.1	82	04	04	16	126	132	X	X	GLDL
BARROW STRAIT	43	74	29.0	93	57.5	82	04	04	17	146	148	X	X	GLDL
BARROW STRAIT	44	74	24.1	93	54.7	82	04	04	17	167	170	X	X	GLDL
BARROW STRAIT	45	74	17.7	93	44.0	82	04	04	18	162	165	X	X	GLDL
BARROW STRAIT	49	74	15.6	93	40.0	82	04	04	19	175	176	X	X	GLDL
BARROW STRAIT	48	74	12.6	93	36.0	82	04	04	19	145	146	X	X	GLDL
BARROW STRAIT	47	74	11.3	93	33.9	82	04	04	20	56	57	X	X	GLDL
BARROW STRAIT	46	74	13.1	93	41.1	82	04	04	23	164	167	X	X	GLDL
BARROW STRAIT	46	74	13.1	93	41.1	82	04	05	00	164	167	X	X	GLDL
BARROW STRAIT	57	74	39.2	93	00.0	82	04	07	14	148	144	X	X	GLDL
BARROW STRAIT	56	74	39.8	92	22.0	82	04	07	15	144	144	X	X	GLDL
BARROW STRAIT	95	74	52.8	92	11.0	82	04	07	16	71	72	X	X	GLDL
BARROW STRAIT	94	74	52.8	92	25.8	82	04	07	16	147	148	X	X	GLDL
BARROW STRAIT	93	74	52.8	92	43.0	82	04	07	17	144	144	X	X	GLDL
BARROW STRAIT	92	74	52.8	93	06.0	82	04	07	17	160	162	X	X	GLDL
BARROW STRAIT	91	74	52.8	93	20.0	82	04	07	17	204	206	X	X	GLDL
BARROW STRAIT	51	74	38.9	93	30.0	82	04	07	18	117	117	X	X	GLDL
BARROW STRAIT	52	74	35.0	93	22.0	82	04	07	19	180	181	X	X	GLDL
BARROW STRAIT	53	74	30.0	93	11.0	82	04	07	19	156	157	X	X	GLDL
BARROW STRAIT	54	74	25.0	93	00.0	82	04	07	20	128	174	X	X	GLDL
BARROW STRAIT	55	74	30.0	92	26.0	82	04	07	21	168	170	X	X	GLDL
BARROW STRAIT	20	74	47.6	95	55.0	82	04	08	16	126	126	X	X	GLDL
BARROW STRAIT	21	74	45.2	96	25.0	82	04	08	16	156	163	X	X	GLDL
BARROW STRAIT	22	74	42.8	96	55.0	82	04	08	17	265	267	X	X	GLDL
BARROW STRAIT	34	74	25.4	95	08.0	82	04	08	19	190	192	X	X	GLDL
BARROW STRAIT	91	74	52.8	93	20.0	82	04	21	15	175	175	X	X	GLDL
BARROW STRAIT	92	74	52.8	93	06.0	82	04	21	16	196	198	X	X	GLDL
BARROW STRAIT	62	74	35.8	91	48.0	82	04	21	17	153	155	X	X	GLDL
BARROW STRAIT	63	74	30.0	91	48.0	82	04	21	18	152	153	X	X	GLDL
BARROW STRAIT	64	74	24.2	91	48.0	82	04	21	18	170	174	X	X	GLDL
BARROW STRAIT	65	74	19.6	92	07.0	82	04	21	19	284	290	X	X	GLDL
BARROW STRAIT	66	74	14.6	92	27.0	82	04	21	19	174	176	X	X	GLDL
BARROW STRAIT	67	74	09.5	92	47.5	82	04	21	20	146	146	X	X	GLDL
BARROW STRAIT	54	74	25.0	93	00.0	82	04	21	21	174	177	X	X	GLDL
BARROW STRAIT	35	74	18.9	94	58.4	82	04	21	21	170	172	X	X	GLDL
BARROW STRAIT	47	74	11.3	93	33.9	82	04	22	14	56	56	X	X	GLDL
BARROW STRAIT	48	74	12.6	93	36.0	82	04	22	15	146	150	X	X	GLDL
BARROW STRAIT	46	74	13.1	93	41.1	82	04	22	15	166	168	X	X	GLDL
BARROW STRAIT	49	74	15.6	93	40.0	82	04	22	16	178	180	X	X	GLDL
BARROW STRAIT	45	74	17.7	93	44.0	82	04	22	16	162	163	X	X	GLDL
BARROW STRAIT	44	74	24.1	93	54.7	82	04	22	17	167	170	X	X	GLDL
BARROW STRAIT	43	74	29.0	93	57.5	82	04	22	18	144	146	X	X	GLDL
BARROW STRAIT	42	74	34.0	94	01.1	82	04	22	18	132	132	X	X	GLDL
BARROW STRAIT	41	74	36.2	94	02.8	82	04	22	18	98	98	X	X	GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0003
YEAR:1982 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	T	INSTR	INT HR	NO
RES. PASSAGE	4101	74	38.00	94	58.08	82	03	20	20	93	103	X		X	GLDL		
LANCASTER SD.	4102	74	26.28	87	09.50	82	03	21	17	344	349	X		X	GLDL		
LANCASTER SD.	4103	74	20.20	87	12.28	82	03	21	18	410	415	X		X	GLDL		
LANCASTER SD.	4104	74	12.70	87	10.88	82	03	21	19	414	417	X		X	GLDL		
LANCASTER SD.	4105	74	04.10	87	11.78	82	03	21	20	404	410	X		X	GLDL		
LANCASTER SD.	4106	73	55.58	87	13.60	82	03	21	21	436	440	X		X	GLDL		
LANCASTER SD.	4107	73	49.50	87	12.38	82	03	21	22	277	283	X		X	GLDL		
M'CLURE STRAIT	4123	75	33.08	119	23.58	82	03	26	17	354	?	X		X	GLDL		
M'CLURE STRAIT	4124	75	24.20	119	45.40	82	03	26	18	415	415	X		X	GLDL		
M'CLURE STRAIT	4125	75	07.10	120	30.50	82	03	26	20	461	461	X		X	GLDL		
M'CLURE STRAIT	4126	74	48.68	121	06.30	82	03	26	21	525	525	X		X	GLDL		
M'CLURE STRAIT	4127	74	35.68	121	21.20	82	03	26	22	437	438	X		X	GLDL		
DOLPHIN-UNION	4145	69	14.78	118	32.00	82	04	01	17	47	52	X		X	GLDL		
DOLPHIN-UNION	4146	69	19.28	118	13.50	82	04	01	18	182	184	X		X	GLDL		
DOLPHIN-UNION	4147	69	26.58	117	49.58	82	04	01	19	334	335	X		X	GLDL		
DOLPHIN-UNION	4148	69	32.90	117	27.50	82	04	01	20	226	229	X		X	GLDL		
DOLPHIN-UNION	4149	69	38.00	117	08.78	82	04	01	21	174	177	X		X	GLDL		
PR. WALES STR.	4150	71	33.40	120	17.20	82	04	02	17	91	95	X		X	GLDL		
PR. WALES STR.	4151	71	34.18	119	57.58	82	04	02	18	148	152	X		X	GLDL		
PR. WALES STR.	4152	71	35.08	119	25.20	82	04	02	20	104	108	X		X	GLDL		
PR. WALES STR.	4153	72	12.20	119	38.80	82	04	02	22	76	80	X		X	GLDL		
M'CLINTOCK CH.	4154	72	58.18	104	51.00	82	04	04	17	48	53	X		X	GLDL		
M'CLINTOCK CH.	4155	72	58.00	104	28.08	82	04	04	18	175	177	X		X	GLDL		
M'CLINTOCK CH.	4156	72	57.50	103	59.68	82	04	04	19	300	301	X		X	GLDL		
M'CLINTOCK CH.	4157	72	58.30	103	31.70	82	04	04	19	343	345	X		X	GLDL		
M'CLINTOCK CH.	4158	72	57.80	103	06.88	82	04	04	20	288	28	9		X	GLDL		
M'CLINTOCK CH.	4159	72	58.00	102	40.90	82	04	04	21	42	47	X		X	GLDL		
BARROW STRAIT	4160	74	13.10	93	41.08	82	04	04	23	161	163	X		X	GLDL		
BARROW STRAIT	4161	?	?.?	?	?.?	82	04	05	00	?	?	X		X	GLDL		
PR. REGENT IN.	4162	73	03.58	89	24.00	82	04	05	18	248	250	X		X	GLDL		
PR. REGENT IN.	4163	73	05.30	89	43.40	82	04	05	18	380	381	X		X	GLDL		
PR. REGENT IN.	4164	73	06.10	90	07.80	82	04	05	19	477	477	X		X	GLDL		
PR. REGENT IN.	4165	73	08.38	90	26.00	82	04	05	20	383	384	X		X	GLDL		
PR. REGENT IN.	4166	73	11.00	90	50.40	82	04	05	21	307	309	X		X	GLDL		
PR. REGENT IN.	4167	73	11.28	91	03.00	82	04	05	22	247	249	X		X	GLDL		
M'CLINTOCK CH.	4168	71	04.88	100	52.50	82	04	06	17	102	106	X		X	GLDL		
M'CLINTOCK CH.	4169	71	06.60	99	58.08	82	04	06	18	96	98	X		X	GLDL		
M'CLINTOCK CH.	4170	71	10.10	98	16.58	82	04	06	19	142	146	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 82-0004
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	T	INSTR	INT HR	NO
PR. WALES STR.	7	72	51.9	117	57.7	82	03	26	18	51	53	X		X	GLDL		
PR. WALES STR.	8	72	50.7	117	54.4	82	03	26	19	65	69	X		X	GLDL		
PR. WALES STR.	15	72	56.7	117	17.6	82	03	27	20	21	22	X		X	GLDL		
PR. WALES STR.	14	72	57.9	117	19.2	82	03	27	21	163	165	X		X	GLDL		
PR. WALES STR.	13	72	59.1	117	20.8	82	03	27	22	147	149	X		X	GLDL		
PR. WALES STR.	15	72	56.5	117	16.7	82	03	29	19	17	19	X		X	GLDL		
PR. WALES STR.	14	72	57.6	117	17.9	82	03	29	20	164	166	X		X	GLDL		
PR. WALES STR.	13	72	58.7	117	19.1	82	03	29	20	141	144	X		X	GLDL		
PR. WALES STR.	12	72	59.6	117	22.1	82	03	29	22	148	151	X		X	GLDL		
PR. WALES STR.	11	73	00.3	117	24.9	82	03	29	23	151	154	X		X	GLDL		
PR. WALES STR.	9	72	49.7	117	46.6	82	03	30	00	79	111	X		X	GLDL		
PR. WALES STR.	10	72	48.4	117	41.3	82	03	30	01	69	72	X		X	GLDL		
PR. WALES STR.	RCM11	73	55.8	116	10.1	82	03	30	20	404	438	X		X	GLDL		
PR. WALES STR.	RCM01	73	15.7	116	16.6	82	03	30	22	73	76	X		X	GLDL		
PR. WALES STR.	RCM02	73	11.6	116	15.0	82	03	30	23	72	75	X		X	GLDL		
PR. WALES STR.	RCM03	73	13.5	116	15.8	82	03	30	23	66	70	X		X	GLDL		
PR. WALES STR.	RCM04	73	12.4	116	13.8	82	03	31	00	74	77	X		X	GLDL		
PR. WALES STR.	RCM05	73	11.6	116	15.0	82	03	31	00	109	112	X		X	GLDL		

PR. WALES STR.	RCM06	73 10.6	116 12.7	82	03	31	00	60	64	X		X	GLDL
PR. WALES STR.	RCM08	73 08.7	116 08.0	82	03	31	01	52	56	X		X	GLDL
PR. WALES STR.	RCM07	73 09.2	116 09.7	82	03	31	01	66	70	X		X	GLDL
M'CLURE STRAIT	27	74 12.9	114 49.8	82	03	31	17	400	495	X		X	GLDL
M'CLURE STRAIT	26	74 00.6	115 18.1	82	03	31	18	400	510	X		X	GLDL
M'CLURE STRAIT	25	73 59.0	115 46.5	82	03	31	19	400	480	X		X	GLDL
M'CLURE STRAIT	24	73 55.3	116 01.8	82	03	31	20	401	432	X		X	GLDL
M'CLURE STRAIT	23	73 53.4	116 10.1	82	03	31	21	362	364	X		X	GLDL
PR. WALES STR.	14	72 57.3	117 22.0	82	04	01	16	145	179	X		X	GLDL
M'CLURE STRAIT	31	74 27.9	113 47.0	82	04	01	20	162	165	X		X	GLDL
M'CLURE STRAIT	30	74 26.8	113 51.8	82	04	01	20	287	290	X		X	GLDL
PR. WALES STR.	01	72 12.6	119 45.2	82	04	02	16	10	63	X		X	GLDL
PR. WALES STR.	02	72 10.4	119 38.1	82	04	02	16	79	82	X		X	GLDL
PR. WALES STR.	03	72 08.0	119 31.2	82	04	02	17	100	103	X		X	GLDL
PR. WALES STR.	04	72 05.5	119 24.0	82	04	02	18	104	107	X		X	GLDL
PR. WALES STR.	05	72 02.9	119 16.4	82	04	02	19	88	92	X		X	GLDL
PR. WALES STR.	06	72 00.5	119 10.0	82	04	02	20	61	65	X		X	GLDL
PR. WALES STR.	06B	71 57.9	119 03.1	82	04	02	20	30	35	X		X	GLDL
PR. WALES STR.	T1	72 12.4	119 38.8	82	04	02	22	79	82	X		X	GLDL
PR. WALES STR.	8T2	72 38.2	118 39.6	82	04	03	15	130	131	X		X	GLDL
PR. WALES STR.	9T2	72 38.2	118 39.6	82	04	03	16	107	131	X		X	GLDL
M'CLURE STRAIT	29	74 24.9	114 00.4	82	04	03	19	379	381	X		X	GLDL
M'CLURE STRAIT	28	74 20.1	114 20.5	82	04	03	20	394	480	X		X	GLDL
PR. WALES STR.	RCM10	73 12.1	115 58.1	82	04	03	23	77	80	X		X	GLDL
PR. WALES STR.	09	73 05.0	116 34.7	82	04	04	23	59	63	X		X	GLDL
VISC. MEL. SD.	35A	73 47.0	113 21.6	82	04	04	17	394	450	X		X	GLDL
VISC. MEL. SD.	35	73 39.2	113 21.4	82	04	04	18	315	316	X		X	GLDL
VISC. MEL. SD.	34	73 29.4	113 22.9	82	04	04	18	168	171	X		X	GLDL
VISC. MEL. SD.	33	73 25.1	113 40.3	82	04	04	20	128	131	X		X	GLDL
VISC. MEL. SD.	32	73 20.5	113 57.4	82	04	04	20	67	70	X		X	GLDL
PR. WALES STR.	17	73 22.1	115 41.6	82	04	04	22	40	43	X		X	GLDL
PR. WALES STR.	18	73 20.8	115 37.7	82	04	04	22	54	57	X		X	GLDL
PR. WALES STR.	19	73 19.1	115 33.0	82	04	04	22	56	59	X		X	GLDL
PR. WALES STR.	20	73 17.7	115 28.8	82	04	04	23	57	60	X		X	GLDL
PR. WALES STR.	21	73 16.1	115 24.2	82	04	05	00	57	60	X		X	GLDL
VISC. MEL. SD.	38	73 41.6	110 25.4	82	04	05	18	112	138	X		X	GLDL
VISC. MEL. SD.	37	73 21.9	110 22.2	82	04	05	19	199	203	X		X	GLDL
VISC. MEL. SD.	36A	73 08.0	110 28.5	82	04	05	21	145	130	X		X	GLDL
VISC. MEL. SD.	39	74 10.1	110 28.3	82	04	15	18	267	530	X		X	GLDL
VISC. MEL. SD.	39	74 10.1	110 28.3	82	04	15	18	395	530	X		X	GLDL
VISC. MEL. SD.	40	74 24.0	110 31.7	82	04	15	19	394	410	X		X	GLDL
VISC. MEL. SD.	41	74 30.7	110 30.6	82	04	15	20	303	305	X		X	GLDL
VISC. MEL. SD.	42	74 33.9	110 32.0	82	04	15	20	211	215	X		X	GLDL
VISC. MEL. SD.	43	74 37.8	110 31.2	82	04	15	22	108	111	X		X	GLDL
VISC. MEL. SD.	48	74 20.3	106 51.2	82	04	16	17	395	443	X		X	GLDL
VISC. MEL. SD.	47	74 08.5	106 40.9	82	04	16	18	395	543	X		X	GLDL
VISC. MEL. SD.	46	74 00.5	106 35.3	82	04	16	18	393	500	X		X	GLDL
VISC. MEL. SD.	44	73 48.6	106 25.7	82	04	16	20	56	57	X		X	GLDL
VISC. MEL. SD.	45	73 53.4	106 30.0	82	04	16	20	144	147	X		X	GLDL
VISC. MEL. SD.	49	74 35.8	107 01.9	82	04	17	17	214	216	X		X	GLDL
VISC. MEL. SD.	50	74 45.1	107 08.8	82	04	17	17	129	132	X		X	GLDL
VISC. MEL. SD.	51	74 50.9	107 13.7	82	04	17	18	67	71	X		X	GLDL
VISC. MEL. SD.	52	74 53.9	107 17.7	82	04	17	19	17	21	X		X	GLDL
VISC. MEL. SD.	31	74 38.4	95 01.1	82	04	22	18	61	105	X		X	GLDL
VISC. MEL. SD.	31	74 38.4	95 01.1	82	04	22	19	62	105	X		X	GLDL
VISC. MEL. SD.	31	74 38.4	95 01.1	82	04	22	19	77	105	X		X	GLDL
PR. WALES STR.	RCM08	73 08.7	116 08.0	82	06	23	23	53	61	X		X	GLDL
PR. WALES STR.	RCM01	73 15.7	116 16.6	82	06	23	23	26	83	X		X	GLDL
PR. WALES STR.	RCM02	73 14.6	116 16.6	82	06	24	00	74	83	X		X	GLDL
PR. WALES STR.	RCM03	73 13.5	116 15.8	82	06	24	01	66	75	X		X	GLDL
PR. WALES STR.	RCM04	73 12.4	116 13.8	82	06	24	02	75	83	X		X	GLDL
PR. WALES STR.	RCM10	73 12.1	115 58.1	82	06	24	02	46	84	X		X	GLDL
PR. WALES STR.	RCM05	73 11.6	116 15.0	82	06	24	03	110	120	X		X	GLDL
PR. WALES STR.	RCM06	73 10.6	116 12.7	82	06	24	03	62	70	X		X	GLDL
PR. WALES STR.	RCM07	73 09.2	116 09.7	82	06	24	04	67	76	X		X	GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0120
YEAR:1982 VESSEL/AGENCY: ARCTIC LABORATORY LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
STRATHCONA SOUND	1	73 04.2	084 32.7	82	06	05	?	63	66	X			BOTT		
STRATHCONA SOUND	3	73 04.8	084 32.2	82	06	04	?	110	114	X			BOTT		
STRATHCONA SOUND	5	73 05.6	084 31.5	82	06	02	?	200	208	X			BOTT		

STRATHCONA SOUND	6	73	06.5	084	30.4	82	06	03	?	140	146	X			BOTT		
STRATHCONA SOUND	8	73	06.6	084	43.2	82	06	04	?	247	250	X			BOTT		
STRATHCONA SOUND	9	73	06.0	084	35.3	82	06	04	?	243	246	X			BOTT		
STRATHCONA SOUND	10	73	05.3	084	27.8	82	06	04	?	163	166	X			BOTT		
STRATHCONA SOUND	11	73	04.1	084	18.2	82	06	04	?	34	36	X			BOTT		

BOTTLE/CTD DATA SET NUMBER: 83-0008
YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	89	74	48.8	96	48.1	83	03	21	21	?	222	X		X	GLDL		
VISC. MEL. SD.	77	74	14.2	103	04.8	83	03	22	19	?	265	X		X	GLDL		
VISC. MEL. SD.	77	74	14.2	103	04.8	83	03	22	19	?	265	X		X	GLDL		
VISC. MEL. SD.	78	74	06.4	102	16.1	83	03	22	20	?	299	X		X	GLDL		
VISC. MEL. SD.	79	74	00.0	101	40.2	83	03	22	22	?	132	X		X	GLDL		
VISC. MEL. SD.	79	74	00.1	101	39.5	83	03	23	18	?	133	X		X	GLDL		
VISC. MEL. SD.	80	73	56.1	101	18.0	83	03	23	19	?	104	X		X	GLDL		
VISC. MEL. SD.	81	73	53.0	101	00.6	83	03	23	20	?	65	X		X	GLDL		
VISC. MEL. SD.	76	74	28.0	102	15.0	83	03	24	18	?	174	X		X	GLDL		
VISC. MEL. SD.	75	74	39.0	101	35.0	83	03	24	20	?	129	X		X	GLDL		
VISC. MEL. SD.	75	74	39.0	101	35.0	83	03	24	20	?	129	X		X	GLDL		
VISC. MEL. SD.	74	74	51.1	100	49.2	83	03	24	21	?	130	X		X	GLDL		
VISC. MEL. SD.	74	74	51.1	100	49.2	83	03	24	21	?	130	X		X	GLDL		
VISC. MEL. SD.	73	74	55.3	100	39.9	83	03	24	21	?	160	X		X	GLDL		
VISC. MEL. SD.	72	74	57.4	100	26.7	83	03	24	22	?	78	X		X	GLDL		
M'CLINTOCK CH.	82	72	56.0	104	51.8	83	03	25	19	?	69	X		X	GLDL		
M'CLINTOCK CH.	83	72	55.1	104	30.0	83	03	25	20	?	203	X		X	GLDL		
M'CLINTOCK CH.	88	72	52.9	103	47.2	83	03	26	18	?	309	X		X	GLDL		
M'CLINTOCK CH.	86	72	51.8	103	11.5	83	03	26	20	?	276	X		X	GLDL		
M'CLINTOCK CH.	87	72	51.0	102	55.8	83	03	26	20	?	89	X		X	GLDL		
VISC. MEL. SD.	56	74	31.9	104	09.0	83	03	28	18	?	190	X		X	GLDL		
VISC. MEL. SD.	57	74	51.7	104	14.1	83	03	28	20	?	127	X		X	GLDL		
VISC. MEL. SD.	58	74	59.1	104	13.7	83	03	28	20	?	61	X		X	GLDL		
BYAM MARTIN CH.	66	76	00.5	104	28.3	83	03	29	17	?	118	X		X	GLDL		
BYAM MARTIN CH.	65	76	03.2	104	40.7	83	03	29	18	?	180	X		X	GLDL		
BYAM MARTIN CH.	64	76	00.7	104	56.2	83	03	29	19	?	177	X		X	GLDL		
BYAM MARTIN CH.	63	75	58.1	105	11.4	83	03	29	19	?	136	X		X	GLDL		
BYAM MARTIN CH.	62	75	56.2	105	25.9	83	03	29	20	?	178	X		X	GLDL		
BYAM MARTIN CH.	53	73	59.0	103	59.8	83	03	30	19	?	414	X		X	GLDL		
BYAM MARTIN CH.	54	73	50.0	104	31.5	83	03	30	20	?	282	X		X	GLDL		
BYAM MARTIN CH.	55	73	46.0	104	48.9	83	03	30	21	?	153	X		X	GLDL		
BYAM MARTIN CH.	48	74	20.6	106	51.8	83	03	30	23	?	434	X		X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 83-0009
YEAR:1983 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	75	74	49.5	96	43.0	83	03	21	20	220	223	X		X	?		
BARROW STRAIT	41	74	36.2	94	02.8	83	04	02	15	91	93	X		X	?		
BARROW STRAIT	42	74	34.0	94	01.1	83	04	02	16	128	132	X		X	?		
BARROW STRAIT	43	74	29.0	93	57.5	83	04	02	17	145	146	X		X	?		
BARROW STRAIT	46	74	13.1	93	45.5	83	04	02	18	150	162	X		X	?		
BARROW STRAIT	36	74	38.4	95	01.1	83	04	02	21	118	119	X		X	?		
BARROW STRAIT	32	74	35.5	95	11.8	83	04	02	22	107	111	X		X	?		
BARROW STRAIT	47	74	11.3	93	43.0	83	04	04	14	79	81	X		X	?		
BARROW STRAIT	48	74	12.6	93	44.0	83	04	04	15	153	155	X		X	?		
BARROW STRAIT	46	74	13.1	93	45.5	83	04	04	17	158	162	X		X	?		
BARROW STRAIT	46	74	13.1	93	45.5	83	04	04	18	161	162	X		X	?		
BARROW STRAIT	49	74	15.6	93	47.5	83	04	04	18	177	178	X		X	?		
BARROW STRAIT	45	74	17.7	93	49.0	83	04	04	19	166	168	X		X	?		
BARROW STRAIT	44	74	24.1	93	54.7	83	04	04	20	156	158	X		X	?		
BARROW STRAIT	31	74	38.4	95	01.1	83	04	06	18	101	106	X		X	?		
BARROW STRAIT	32	74	35.5	95	11.8	83	04	06	18	106	110	X		X	?		

BARROW STRAIT	33	74 29.0	95 13.6	83 04 06 19	128	130	X	X	?
BARROW STRAIT	34	74 25.4	95 08.0	83 04 06 20	140	146	X	X	?
BARROW STRAIT	37	74 07.5	94 42.0	83 04 06 22	108	113	X	X	?
BARROW STRAIT	36	74 12.3	94 49.0	83 04 06 22	163	168	X	X	?
BARROW STRAIT	35	74 18.9	94 58.4	83 04 06 23	169	174	X	X	?
BARROW STRAIT	67	74 09.5	92 47.5	83 04 08 14	135	140	X	X	?
BARROW STRAIT	66	74 14.6	92 27.0	83 04 08 15	168	173	X	X	?
BARROW STRAIT	65	74 19.6	92 70.0	83 04 08 15	178	184	X	X	?
BARROW STRAIT	64	74 24.2	91 48.0	83 04 08 16	296	309	X	X	?
BARROW STRAIT	61	74 40.3	91 48.0	83 04 08 18	132	137	X	X	?
BARROW STRAIT	62	74 35.8	91 48.0	83 04 08 18	132	136	X	X	?
BARROW STRAIT	63	74 30.0	91 48.0	83 04 08 19	170	172	X	X	?
BARROW STRAIT	07	73 59.0	100 00.0	83 04 14 15	72	76	X	X	?
BARROW STRAIT	06	74 03.6	99 53.0	83 04 14 16	118	123	X	X	?
BARROW STRAIT	05	74 15.0	99 39.0	83 04 14 17	105	110	X	X	?
BARROW STRAIT	04	74 26.0	99 26.0	83 04 14 18	185	185	X	X	?
BARROW STRAIT	03	74 38.0	99 10.0	83 04 14 18	207	212	X	X	?
BARROW STRAIT	02	74 50.0	98 55.0	83 04 14 19	155	160	X	X	?
BARROW STRAIT	01	74 57.0	98 46.0	83 04 14 20	22	28	X	X	?
BARROW STRAIT	10	74 58.5	98 06.0	83 04 14 21	100	104	X	X	?
BARROW STRAIT	11	74 53.3	97 55.0	83 04 14 21	60	66	X	X	?
BARROW STRAIT	12	74 46.1	97 42.5	83 04 14 22	127	132	X	X	?
BARROW STRAIT	27	74 02.3	95 23.8	83 04 15 14	191	196	X	X	?
BARROW STRAIT	26	74 05.6	95 38.0	83 04 15 15	167	172	X	X	?
BARROW STRAIT	25	74 13.1	96 14.0	83 04 15 15	225	230	X	X	?
BARROW STRAIT	19	73 57.0	96 15.0	83 04 15 16	210	214	X	X	?
BARROW STRAIT	18	73 55.0	97 02.0	83 04 15 19	325	329	X	X	?
BARROW STRAIT	81	73 41.6	96 49.0	83 04 15 20	241	246	X	X	?
BARROW STRAIT	82	73 41.6	96 37.0	83 04 15 20	206	210	X	X	?
BARROW STRAIT	85	73 41.6	95 48.2	83 04 15 22	164	172	X	X	?
BARROW STRAIT	84	73 41.6	96 00.0	83 04 15 23	246	250	X	X	?
BARROW STRAIT	83	73 41.6	96 18.5	83 04 15 23	235	240	X	X	?
BARROW STRAIT	08	74 27.5	98 12.0	83 04 17 17	125	130	X	X	?
BARROW STRAIT	13	74 40.0	97 31.0	83 04 17 18	175	180	X	X	?
BARROW STRAIT	22	74 42.8	96 55.0	83 04 17 19	205	210	X	X	?
BARROW STRAIT	21	74 45.2	96 25.0	83 04 17 19	115	120	X	X	?
BARROW STRAIT	20	74 47.6	95 55.0	83 04 17 20	121	126	X	X	?
BARROW STRAIT	42	74 34.0	94 01.1	83 04 17 21	128	129	X	X	?
BARROW STRAIT	95	74 52.8	92 11.0	83 04 21 15	51	66	X	X	?
BARROW STRAIT	94	74 52.8	92 25.8	83 04 21 15	128	133	X	X	?
BARROW STRAIT	93	74 52.8	92 43.0	83 04 21 16	126	126	X	X	?
BARROW STRAIT	92	74 52.8	93 06.0	83 04 21 16	147	152	X	X	?
BARROW STRAIT	91	74 52.8	93 20.0	83 04 21 17	169	173	X	X	?
BARROW STRAIT	74	75 05.5	96 42.2	83 04 21 20	187	191	X	X	?
BARROW STRAIT	73	75 06.5	96 57.4	83 04 21 20	253	277	X	X	?
BARROW STRAIT	72	75 07.2	97 12.0	83 04 21 21	198	200	X	X	?
BARROW STRAIT	71	75 08.5	97 27.3	83 04 21 21	113	114	X	X	?
BARROW STRAIT	41	74 36.2	94 02.8	83 04 22 14	87	92	X	X	?
BARROW STRAIT	42	74 34.0	94 01.1	83 04 22 14	129	134	X	X	?
BARROW STRAIT	43	74 29.0	93 57.5	83 04 22 15	140	146	X	X	?
BARROW STRAIT	44	74 24.1	93 54.7	83 04 22 15	151	156	X	X	?
BARROW STRAIT	45	74 17.7	93 49.0	83 04 22 16	158	167	X	X	?
BARROW STRAIT	49	74 15.6	93 47.5	83 04 22 17	172	177	X	X	?
BARROW STRAIT	46	74 13.1	93 45.5	83 04 22 17	155	160	X	X	?
BARROW STRAIT	47	74 11.3	93 43.0	83 04 22 19	76	80	X	X	?
BARROW STRAIT	48	74 12.6	93 44.0	83 04 22 19	148	153	X	X	?
BARROW STRAIT	23	74 33.4	95 54.0	83 04 25 14	148	154	X	X	?
BARROW STRAIT	24	74 28.6	96 14.0	83 04 25 15	164	179	X	X	?
BARROW STRAIT	15	74 20.0	96 48.5	83 04 25 15	148	156	X	X	?
BARROW STRAIT	17	74 07.9	97 37.0	83 04 25 19	156	164	X	X	?
BARROW STRAIT	16	74 11.8	97 23.0	83 04 25 19	215	220	X	X	?
BARROW STRAIT	09	74 17.5	97 49.0	83 04 25 20	180	187	X	X	?
BARROW STRAIT	14	74 27.4	97 23.0	83 04 25 21	115	120	X	X	?
BARROW STRAIT	51	74 38.9	93 30.0	83 04 26 13	80	84	X	X	?
BARROW STRAIT	52	74 35.0	93 22.0	83 04 26 14	169	173	X	X	?
BARROW STRAIT	53	74 30.0	93 11.0	83 04 29 00	147	152	X	X	?
BARROW STRAIT	54	74 25.0	93 00.0	83 04 29 00	158	162	X	X	?
BARROW STRAIT	55	74 30.0	92 26.0	83 04 29 01	157	163	X	X	?
BARROW STRAIT	57	74 39.2	93 00.0	83 04 29 01	130	132	X	X	?

BOTTLE/CTD DATA SET NUMBER: 83-0010
YEAR:1983 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
BARROW STRAIT	4801	74	49.68	96	45.58	83	03	21	20	222	222	X		X	GLDL	
M'CLINTOCK CH.	4803	71	29.08	101	56.08	83	03	22	21	200	201	X		X	GLDL	
M'CLINTOCK CH.	4804	71	21.90	101	56.08	83	03	22	22	200	201	X		X	GLDL	
LARSEN SOUND	4805	71	10.60	98	15.38	83	03	23	00	155	156	X		X	GLDL	
VISC. MEL. SD.	4806	74	20.50	106	56.40	83	03	23	18	438	438	X		X	GLDL	
VISC. MEL. SD.	4807	74	23.28	110	13.20	83	03	23	22	412	412	X		X	GLDL	
M'CLURE STR.	4812	74	23.58	113	58.00	83	03	25	17	401	401	X		X	GLDL	
M'CLURE STR.	4813	74	07.80	115	06.38	83	03	25	18	488	488	X		X	GLDL	
M'CLURE STR.	4814	73	55.58	116	06.50	83	03	25	20	495	495	X		X	GLDL	
PR. WALES STR.	4815	73	01.78	117	04.88	83	03	25	23	141	142	X		X	GLDL	
M'CLURE STR.	4818	74	57.30	123	47.58	83	03	26	21	485	485	X		X	GLDL	
M'CLURE STR.	4819	74	36.00	121	08.70	83	03	26	23	483	483	X		X	GLDL	
M'CLURE STR.	4820	74	44.30	121	16.20	83	03	27	00	500	500	X		X	GLDL	
PR. REGENT IN.	4825	73	08.00	90	51.58	83	03	28	15	329	329	X		X	GLDL	
PR. REGENT IN.	4826	73	03.68	89	40.00	83	03	28	17	320	321	X		X	GLDL	
LANCASTER SD.	4827	74	25.00	87	10.50	83	03	28	19	384	?	X		X	GLDL	
LANCASTER SD.	4828	74	16.28	87	08.00	83	03	28	20	418	418	X		X	GLDL	
LANCASTER SD.	4829	74	06.68	87	05.10	83	03	28	23	418	418	X		X	GLDL	
PR. REGENT IN.	4837	73	04.60	89	32.00	83	03	30	18	294	294	X		X	GLDL	
PR. REGENT IN.	4838	73	06.68	90	06.10	83	03	30	18	471	471	X		X	GLDL	
PR. REGENT IN.	4839	73	09.78	90	25.70	83	03	30	20	391	391	X		X	GLDL	
PR. REGENT IN.	4840	73	11.60	90	50.40	83	03	30	21	323	324	X		X	GLDL	
PR. REGENT IN.	4841	73	15.78	90	53.08	83	03	30	22	288	289	X		X	GLDL	
BARROW STRAIT	4852	74	13.10	93	45.50	83	04	04	17	158	159	X		X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 84-0049
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	DATE YR	DATE MO	DATE DY	DATE HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	PARAM MEAS S	PARAM MEAS T	INSTR	INT NO HR
M'CLURE STRAIT	M02	75	35.4	120	39.0	84	04	?	?	?	?	X		X	CTD	
M'CLURE STRAIT	B07	74	24.5	123	58.0	84	04	20	19	263	265	X		X	CTD	
M'CLURE STRAIT	B08	74	30.7	123	42.0	84	04	20	20	370	372	X		X	CTD	
M'CLURE STRAIT	B09	74	58.6	121	38.0	84	04	20	21	495	497	X		X	CTD	
VISC. MEL. SD.	001	74	25.6	101	14.0	84	04	21	20	154	156	X		X	CTD	
VISC. MEL. SD.	001	74	25.6	101	14.0	84	04	21	21	154	156	X		X	CTD	
VISC. MEL. SD.	276	74	27.5	103	01.0	84	04	21	22	184	186	X		X	CTD	
VISC. MEL. SD.	256	74	31.3	104	16.0	84	04	21	23	204	206	X		X	CTD	
VISC. MEL. SD.	248	74	20.7	106	52.0	84	04	22	00	433	435	X		X	CTD	
VISC. MEL. SD.	245	73	53.6	106	27.0	84	04	22	01	141	143	X		X	CTD	
VISC. MEL. SD.	250	74	44.6	107	04.0	84	04	22	02	125	127	X		X	CTD	
PR. REGENT IN.	186	73	01.9	89	24.0	84	04	22	17	149	153	X		X	CTD	
PR. REGENT IN.	185	73	04.4	89	47.0	84	04	22	18	378	380	X		X	CTD	
PR. REGENT IN.	187	73	06.8	90	21.0	84	04	22	19	456	458	X		X	CTD	
PR. REGENT IN.	182	73	10.8	90	50.0	84	04	22	19	332	335	X		X	CTD	
PR. REGENT IN.	181	73	12.0	91	12.0	84	04	22	20	226	228	X		X	CTD	
LANCASTER SD.	196	73	48.1	87	11.0	84	04	22	22	121	123	X		X	CTD	
LANCASTER SD.	191	74	26.1	87	14.0	84	04	23	16	375	377	X		X	CTD	
LANCASTER SD.	197	74	08.0	87	14.0	84	04	?	?	?	?	X		X	CTD	
LANCASTER SD.	195	73	53.9	87	13.0	84	04	23	19	349	351	X		X	CTD	

BOTTLE/CTD DATA SET NUMBER: 84-0050
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	BI05	74	39.3	94	55.0	84	03	30	20	?	98	X		X	CTD		
BARROW STRAIT	BI05	74	39.3	94	55.0	84	03	30	21	?	98	X		X	CTD		
BARROW STRAIT	045	74	17.9	96	19.3	84	03	31	15	?	172	X		X	CTD		
BARROW STRAIT	044	74	25.5	95	58.4	84	03	31	16	?	163	X		X	CTD		
BARROW STRAIT	043	74	29.8	95	46.3	84	03	31	19	?	175	X		X	CTD		
BARROW STRAIT	041	74	31.0	95	42.1	84	03	31	20	?	138	X		X	CTD		
BARROW STRAIT	031	74	37.4	95	18.6	84	03	31	21	?	98	X		X	CTD		
BARROW STRAIT	030	74	40.2	95	05.8	84	03	31	21	?	107	X		X	CTD		
BARROW STRAIT	025	74	39.3	97	12.2	84	04	01	19	?	224	X		X	CTD		
BARROW STRAIT	026	74	41.0	97	05.5	84	04	01	20	?	310	X		X	CTD		
BARROW STRAIT	027	74	44.9	96	52.1	84	04	01	21	?	264	X		X	CTD		
BARROW STRAIT	020	74	57.0	98	19.2	84	04	02	16	?	58	X		X	CTD		
BARROW STRAIT	021	74	52.8	98	07.7	84	04	02	17	?	68	X		X	CTD		
BARROW STRAIT	023	74	45.0	97	45.1	84	04	02	18	?	162	X		X	CTD		
BARROW STRAIT	024	74	40.5	97	35.7	84	04	02	19	?	151	X		X	CTD		
BARROW STRAIT	013	74	54.1	99	59.6	84	04	03	16	?	36	X		X	CTD		
BARROW STRAIT	014	74	46.6	99	59.3	84	04	03	17	?	39	X		X	CTD		
BARROW STRAIT	015	74	36.6	100	00.0	84	04	03	18	?	112	X		X	CTD		
BARROW STRAIT	016	74	16.3	99	59.3	84	04	03	19	?	144	X		X	CTD		
BARROW STRAIT	017	74	06.7	99	59.8	84	04	03	19	?	110	X		X	CTD		
BARROW STRAIT	018	74	01.4	100	00.0	84	04	03	20	?	142	X		X	CTD		
BARROW STRAIT	019	73	59.2	99	59.9	84	04	03	21	?	107	X		X	CTD		
BARROW STRAIT	007	74	27.1	97	41.5	84	04	04	16	?	94	X		X	CTD		
BARROW STRAIT	008	74	23.9	97	42.8	84	04	04	16	?	125	X		X	CTD		
BARROW STRAIT	009	74	19.7	97	43.7	94	04	04	17	?	134	X		X	CTD		
BARROW STRAIT	010	74	15.1	97	43.9	84	04	04	17	?	186	X		X	CTD		
BARROW STRAIT	011	74	10.7	97	45.0	84	04	04	18	?	154	X		X	CTD		
BARROW STRAIT	012	74	08.6	97	44.7	84	04	04	18	?	64	X		X	CTD		
BARROW STRAIT	006	74	17.9	97	10.2	84	04	04	20	?	194	X		X	CTD		
BARROW STRAIT	037	74	13.2	94	54.4	84	04	05	18	?	180	X		X	CTD		
BARROW STRAIT	035	74	22.5	95	04.0	84	04	05	19	?	168	X		X	CTD		
BARROW STRAIT	034	74	26.7	95	09.6	84	04	05	19	?	142	X		X	CTD		
BARROW STRAIT	033	74	28.8	95	12.6	84	04	05	20	?	130	X		X	CTD		
BARROW STRAIT	032	74	30.0	95	14.6	84	04	05	21	?	70	X		X	CTD		
BARROW STRAIT	039	74	06.9	94	46.5	84	04	06	15	?	200	X		X	CTD		
BARROW STRAIT	038	74	09.2	94	49.2	84	04	06	16	?	176	X		X	CTD		
BARROW STRAIT	037	74	12.8	94	53.7	84	04	06	16	?	181	X		X	CTD		
BARROW STRAIT	056	74	11.9	93	29.9	84	04	08	16	?	119	X		X	CTD		
BARROW STRAIT	055	74	14.1	93	30.9	84	04	08	17	?	166	X		X	CTD		
BARROW STRAIT	054	74	17.8	93	32.4	84	04	08	17	?	171	X		X	CTD		
BARROW STRAIT	053	74	23.7	93	34.2	84	04	08	18	?	174	X		X	CTD		
BARROW STRAIT	052	74	31.4	93	36.0	84	04	08	18	?	156	X		X	CTD		
BARROW STRAIT	051	74	35.9	93	38.2	84	04	08	19	?	120	X		X	CTD		
BARROW STRAIT	050	74	38.1	93	39.5	84	04	08	21	?	95	X		X	CTD		
BARROW STRAIT	064	74	09.1	92	45.8	84	04	09	15	?	126	X		X	CTD		
BARROW STRAIT	063	74	11.0	92	41.8	84	04	09	16	?	160	X		X	CTD		
BARROW STRAIT	062	74	14.9	92	36.0	84	04	09	16	?	168	X		X	CTD		
BARROW STRAIT	061	74	25.0	92	18.6	84	04	09	17	?	266	X		X	CTD		
BARROW STRAIT	059	74	35.3	92	01.2	84	04	09	18	?	144	X		X	CTD		
BARROW STRAIT	058	74	39.1	91	55.2	84	04	09	18	?	132	X		X	CTD		
BARROW STRAIT	057	74	41.1	91	50.9	84	04	09	19	?	95	X		X	CTD		
BARROW STRAIT	096	74	47.7	93	18.0	84	04	10	15	?	124	X		X	CTD		
BARROW STRAIT	095	74	47.7	93	09.1	84	04	10	16	?	158	X		X	CTD		
BARROW STRAIT	094	74	47.8	92	54.1	84	04	10	16	?	150	X		X	CTD		
BARROW STRAIT	093	74	47.5	92	34.2	84	04	10	17	?	124	X		X	CTD		
BARROW STRAIT	092	74	47.6	92	17.5	84	04	10	17	?	77	X		X	CTD		
BARROW STRAIT	091	74	47.5	92	09.4	84	04	10	18	?	78	X		X	CTD		
BARROW STRAIT	029	74	52.6	96	27.8	84	04	10	20	?	129	X		X	CTD		
BARROW STRAIT	028	74	48.8	96	40.1	84	04	10	21	?	288	X		X	CTD		
BARROW STRAIT	BI03	74	39.5	94	54.0	84	04	10	22	?	28	X		X	CTD		
BARROW STRAIT	BI05	74	38.8	94	53.5	84	04	10	22	?	94	X		X	CTD		
WELLINGTON CH.	126	75	14.1	92	29.0	84	04	12	16	?	51	X		X	CTD		
WELLINGTON CH.	125	75	14.0	92	36.0	84	04	12	16	?	194	X		X	CTD		
WELLINGTON CH.	124	75	14.3	92	42.6	84	04	12	17	?	173	X		X	CTD		
WELLINGTON CH.	123	75	14.2	93	00.1	84	04	12	18	?	153	X		X	CTD		
WELLINGTON CH.	122	75	14.6	93	15.1	84	04	12	18	?	232	X		X	CTD		
WELLINGTON CH.	121	75	15.2	93	23.2	84	04	12	19	?	138	X		X	CTD		
WELLINGTON CH.	141	75	43.6	94	45.6	84	04	12	21	?	81	X		X	CTD		
WELLINGTON CH.	140	75	39.6	94	54.5	84	04	12	22	?	60	X		X	CTD		
WELLINGTON CH.	173	75	26.4	96	07.8	84	04	12	23	?	50	X		X	CTD		
BARROW STRAIT	086	73	23.1	96	58.8	84	04	13	18	?	171	X		X	CTD		

BARROW STRAIT	085	73 22.3	96 44.0	84	04	13	17	?	240	X		X	CTD
BARROW STRAIT	084	73 21.6	96 21.6	84	04	13	17	?	262	X		X	CTD
BARROW STRAIT	083	73 20.8	96 06.5	84	04	13	22	?	238	X		X	CTD
BARROW STRAIT	082	73 20.0	95 51.1	84	04	13	23	?	236	X		X	CTD
BARROW STRAIT	081	73 19.8	95 44.2	84	04	13	23	?	185	X		X	CTD
BARROW STRAIT	071	75 06.6	96 37.5	84	04	14	15	?	116	X		X	CTD
BARROW STRAIT	073	75 07.3	96 52.4	84	04	14	16	?	241	X		X	CTD
BARROW STRAIT	072	75 08.1	97 10.0	84	04	14	17	?	245	X		X	CTD
BARROW STRAIT	074	75 08.4	97 25.0	84	04	14	17	?	104	X		X	CTD
BARROW STRAIT	070	75 08.6	97 30.4	84	04	14	18	?	62	X		X	CTD
BARROW STRAIT	170	75 23.8	97 12.0	84	04	14	20	?	119	X		X	CTD
BARROW STRAIT	171	75 23.8	97 06.9	84	04	14	20	?	227	X		X	CTD
BARROW STRAIT	172	75 23.7	96 59.9	84	04	14	21	?	338	X		X	CTD
PENNY STRAIT	165	76 43.2	97 02.1	84	04	15	18	?	296	X		X	CTD
PENNY STRAIT	164	76 41.7	97 09.2	84	04	15	18	?	348	X		X	CTD
PENNY STRAIT	163	76 39.5	97 20.0	84	04	15	19	?	95	X		X	CTD
PENNY STRAIT	162	76 37.8	97 32.0	84	04	15	19	?	194	X		X	CTD
PENNY STRAIT	161	76 35.8	97 43.7	84	04	15	20	?	182	X		X	CTD
PENNY STRAIT	160	76 33.9	97 50.4	84	04	15	20	?	142	X		X	CTD
WELLINGTON CH.	143	76 03.4	94 20.2	84	04	16	17	?	105	X		X	CTD
WELLINGTON CH.	144	76 08.6	94 15.3	84	04	16	17	?	103	X		X	CTD
WELLINGTON CH.	145	76 12.5	94 11.0	84	04	16	18	?	90	X		X	CTD
WELLINGTON CH.	146	76 14.8	94 09.2	84	04	16	18	?	70	X		X	CTD
BARROW STRAIT	005	74 26.6	97 59.6	84	04	21	16	?	103	X		X	CTD
BARROW STRAIT	004	74 26.6	98 29.8	84	04	21	17	?	143	X		X	CTD
BARROW STRAIT	003	74 26.5	98 59.8	84	04	21	18	?	133	X		X	CTD
VISC. MEL. SD	001	74 24.7	101 15.0	84	04	21	20	?	160	X		X	CTD
VISC. MEL. SD	001	74 24.7	101 15.0	84	04	21	20	?	160	X		X	CTD
VISC. MEL. SD	002	74 26.9	99 59.9	84	04	21	21	?	184	X		X	CTD
BARROW STRAIT	046	74 13.0	93 48.6	84	04	30	20	?	160	X		X	CTD
BARROW STRAIT	042	74 34.5	94 30.5	84	04	30	21	?	129	X		X	CTD
BARROW STRAIT	042	74 34.5	94 30.5	84	04	30	21	?	129	X		X	CTD
BARROW STRAIT	042	74 34.5	94 30.5	84	04	30	22	?	129	X		X	CTD

BOTTLE/CTD DATA SET NUMBER: 84-0058
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BARROW STRAIT	1	74 34.	94 36.	84	05	10	20	60	100	X		X	CT12		
BARROW STRAIT	1	74 34.	94 36.	84	05	11	02	80	100	X		X	CT12		
BARROW STRAIT	2	74 16.	94 03.	84	05	11	04	170	190	X		X	CT12		
BARROW STRAIT	2	74 16.	94 03.	84	05	11	08	166	190	X		X	CT12		
BARROW STRAIT	3	74 31.4	96 11.7	84	05	12	03	190	234	X		X	CT12		

BOTTLE/CTD DATA SET NUMBER: 85-0035
YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR	MO	DY	HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C	S	T	INSTR	INT HR	NO
BARROW STRAIT		74 27.7	97 10.8	85	04	28	?	75	114	X		X	GLDL	1	53

BOTTLE/CTD DATA SET NUMBER: 85-0036
YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT HR	NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T			
BARROW STRAIT	8504	74	15.8	93	43.2	85	04	05	22	?	176	X		X	CTD		
BARROW STRAIT	8504	74	34.4	94	30.3	85	04	09	20	?	119	X		X	CTD		
BARROW STRAIT	8504	74	32.4	94	26.3	85	04	09	21	?	137	X		X	CTD		
M'CLURE STRAIT	B07.1	74	25.7	123	58.5	85	04	23	16	?	266	X		X	CTD		
M'CLURE STRAIT	B10	74	16.7	125	18.5	85	04	23	21	?	61	X		X	CTD		
M'CLURE STRAIT	B10	74	16.7	125	18.5	85	04	23	21	?	63	X		X	CTD		
M'CLURE STRAIT	B11	74	19.4	128	39.9	85	05	03	16	?	297	X		X	CTD		
M'CLURE STRAIT	B12	74	10.1	125	41.0	85	05	03	19	?	47	X		X	CTD		
M'CLURE STRAIT	B13	74	11.8	126	08.8	85	05	03	21	?	228	X		X	CTD		
M'CLURE STRAIT	B13	74	11.8	126	08.8	85	05	03	22	?	229	X		X	CTD		

11.2 CURRENT-METER DATA

The listings contain the following information:

AREA	General area of station.
STN	Station number; wherever possible it is the station number assigned in the original data source. Multiple meters are differentiated as 1.1, 1.2, 1.3, for example.
LAT, LONG	In degrees and minutes.
START/STOP	Year, month and day instrument recorded over. If the data represent a single current profile, then the start and stop dates will be the same.
EFF LEN	Effective record length, days of both speed and direction data. May be blank if not obvious from the available documentation.
DT (MN)	Sampling rate in minutes.
DEPTHS-INSTR/WATER	Instrument and water depth, in metres.
INSTR TYPE	Instrument type: AAND - Aanderaa RCM-4 or RCM-5 AMF - AMF vector averaging BEND - Bendix BR - Braincon CMDR - CMDR (modified to record on Aanderaa-type tape) CUSH - Cushing electromagnetic DOWS - Dows - Deep Ocean Work System vector-measuring ENDE - Endeco GEOD - Geodyne GO - General Oceanics HYDR - Hydrowerstatten HYPR - Hydro Products (Savonius rotor/vane) HYTC - Hytech MARA - Marine Advisors M-MC - Marsh McBirney electromagnetic NEYR - Neyrpic CM NB - Neil Brown acoustic OSS4 - Ocean Systems model S4 electromagnetic RICH - Richardson SETR - Sea-Track
ADDIT SENSOR	Other parameters measured - pressure, temperature, conductivity. Each measurement is qualified by the following: X - measurements of this parameter were made

Blank entries indicate unavailable or inapplicable data.

? implies suspect data, such as a location which plots on land.

CURRENT METER DATA SET NUMBER: 56-0001
YEAR:1956 VESSEL/AGENCY: REQUISITE

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
DOLPHIN-UNION		69	01.7	115	55.3	56	08	01	56	08	01	?	?	?	?	EKMN	
CORONATION GULF		68	38.3	113	24.0	56	08	04	56	08	05	?	?	?	?	EKMN	
CORONATION GULF		68	40.0	113	31.5	56	08	05	56	08	06	?	?	?	?	EKMN	
CORONATION GULF		68	44.0	113	32.6	56	08	07	56	08	07	?	?	?	?	EKMN	
CORONATION GULF		68	44.0	113	34.0	56	08	07	56	08	08	?	?	?	?	EKMN	
CORONATION GULF		68	27.5	113	11.0	56	08	09	56	08	09	?	?	?	?	EKMN	
CORONATION GULF		68	39.4	113	23.8	56	08	09	56	08	09	?	?	?	?	EKMN	
CORONATION GULF		69	05.8	105	02.8	56	08	10	56	08	12	?	?	?	?	EKMN	
CORONATION GULF		68	39.0	97	49.2	56	08	14	56	08	14	?	?	?	?	EKMN	
RAE STRAIT		68	49.0	94	56.0	56	08	16	56	08	16	?	?	?	?	EKMN	
RAE STRAIT		68	37.0	95	05.0	56	08	16	56	08	16	?	?	?	?	EKMN	
CORONATION GULF		68	28.0	97	06.4	56	08	17	56	08	17	?	?	?	?	EKMN	
CORONATION GULF		68	51.6	99	37.0	56	08	19	56	08	19	?	?	?	?	EKMN	
QUEEN MAUD GULF		68	15.0	101	30.5	56	08	20	56	08	20	?	?	?	?	EKMN	
QUEEN MAUD GULF		68	43.6	101	02.0	56	08	20	56	08	20	?	?	?	?	EKMN	
CORONATION GULF		68	51.0	105	00.0	56	08	21	56	08	21	?	?	?	?	EKMN	
CORONATION GULF		68	29.0	110	00.0	56	08	21	56	08	21	?	?	?	?	EKMN	
CORONATION GULF		68	33.2	113	28.5	56	08	22	56	08	22	?	?	?	?	EKMN	

CURRENT METER DATA SET NUMBER: 57-0001
YEAR:1957 VESSEL/AGENCY: SPAR

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
QUEEN MAUD GULF		68	18.0	113	09.0	57	08	22	57	08	22	?	?	?	?	?	
QUEEN MAUD GULF		68	56.0	105	53.0	57	08	05	57	08	05	?	?	?	?	?	
QUEEN MAUD GULF		68	44.0	101	24.0	57	08	10	57	08	10	?	?	?	?	?	
QUEEN MAUD GULF		68	18.0	100	37.0	57	08	11	57	08	11	?	?	?	?	?	
QUEEN MAUD GULF		68	28.0	100	19.0	57	08	12	57	08	12	?	?	?	?	?	
QUEEN MAUD GULF		68	35.0	99	46.0	57	08	13	57	08	13	?	?	?	?	?	
QUEEN MAUD GULF		68	38.0	97	47.0	57	08	15	57	08	15	?	?	?	?	?	
QUEEN MAUD GULF		68	40.0	97	53.0	57	08	19	57	08	19	?	?	?	?	?	
QUEEN MAUD GULF		68	40.0	97	53.0	57	08	23	57	08	23	?	?	?	?	?	
QUEEN MAUD GULF		68	40.0	97	53.0	57	09	01	57	09	02	?	?	?	?	?	

CURRENT METER DATA SET NUMBER: 60-0008
YEAR:1960 VESSEL/AGENCY: BAFFIN

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
FURY & HECLA	45	69	56.2	84	15.5	60	09	12	60	09	12	?	?	?	?	EKMN	

CURRENT METER DATA SET NUMBER: 72-0011
YEAR:1972 VESSEL/AGENCY: LOUIS S ST LAURENT

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT		74	37.5	94	14.0	72	09	25	72	09	25	?	?	?	?	?			
BARROW STRAIT		74	38.8	91	19.0	72	09	25	72	09	25	?	?	?	?	?			
BARROW STRAIT		74	30.1	91	34.5	72	09	26	72	09	26	?	?	?	?	?			
BARROW STRAIT		74	39.4	94	14.3	72	09	28	72	09	28	?	?	?	?	?			
BARROW STRAIT		74	05.5	91	38.0	72	09	28	72	09	28	?	?	?	?	?			
BARROW STRAIT		74	06.5	91	38.0	72	09	28	72	09	28	?	?	?	?	?			
BARROW STRAIT		74	29.5	91	32.0	72	09	27	72	09	27	?	?	?	?	?			

CURRENT METER DATA SET NUMBER: 73-0006
YEAR:1973 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT	1	74	30.0	91	21.0	73	04	20	73	04	27	6	2	153	155	AAND			

CURRENT METER DATA SET NUMBER: 73-0008
YEAR:1973 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT		74	37.0	91	14.0	73	09	01	73	09	02	?	?	?	?	HYPR			
BARROW STRAIT		74	37.0	94	15.0	73	09	04	73	09	05	?	?	?	?	HYPR			

CURRENT METER DATA SET NUMBER: 74-0013A
YEAR:1974 VESSEL/AGENCY: HUDSON

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
LANCASTER SD.	1	73	45.0	84	48.6	74	08	16	74	09	11	27	5	10	140	HYDR			
LANCASTER SD.	50	74	38.5	088	46.2	74	08	17	74	09	12	27	5	10	48	HYDR			

CURRENT METER DATA SET NUMBER: 74-0015
YEAR:1974 VESSEL/AGENCY: B.C.RESEARCH

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR		
																	P	T	C
STRATHCONA SD.	1	73	04.0	84	31.0	74	08	21	74	08	22	?	?	40	43	BEND			
STRATHCONA SD.	6	73	05.0	84	36.0	74	08	18	74	08	18	?	?	18	170	BEND			
STRATHCONA SD.	6A	73	05.0	84	36.0	74	08	24	74	08	24	?	?	14	200	BEND			
STRATHCONA SD.	9	73	06.0	84	43.0	74	08	18	74	08	24	?	?	30	295	BEND			
STRATHCONA SD.	13	73	09.0	84	54.5	74	08	19	74	08	24	?	?	210	215	BEND			

CURRENT METER DATA SET NUMBER: 76-0007
YEAR:1976 VESSEL/AGENCY: DREP

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR		
																	P	T	C
FURY&HECLA	1.1	69	52.2	84	15.6	76	04	26	76	05	27	21	?	11	82	M-MC	X		
FURY&HECLA	1.2	69	52.2	84	15.6	76	04	23	76	05	27	21	?	40	82	BR			
FURY&HECLA	1.3	69	52.2	84	15.6	76	04	23	76	05	27	23	?	60	82	BR		X	
FURY&HECLA	2.1	69	54.0	84	15.6	76	04	24	76	05	27	30	?	7	153	M-MC			
FURY&HECLA	2.2	69	54.0	84	15.6	76	04	24	76	05	27	29	?	11	153	M-MC			
FURY&HECLA	2.3	69	54.0	84	15.6	76	04	25	76	05	27	32	?	40	153	BR		X	
FURY&HECLA	2.4	69	54.0	84	15.6	76	04	25	76	05	27	24	?	60	153	BR	X	X	
FURY&HECLA	2.5	69	54.0	84	15.6	76	04	25	76	05	27	32	?	100	153	BR		X	
FURY&HECLA	2.6	69	54.0	84	15.6	76	04	25	76	05	27	32	?	140	153	BR		X	
FURY&HECLA	3.1	69	55.7	84	15.6	76	04	25	76	05	26	30	?	11	82	M-MC			
FURY&HECLA	3.2	69	55.7	84	15.6	76	04	25	76	05	26	30	?	40	82	BR			
FURY&HECLA	4.1	69	57.5	84	15.6	76	04	27	76	05	26	19	?	11	78	M-MC			
FURY&HECLA	4.2	69	57.5	84	15.6	76	04	27	76	05	26	18	?	40	78	BR		X	

CURRENT METER DATA SET NUMBER: 77-0011
YEAR:1977 VESSEL/AGENCY: MCGILL

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR		
																	P	T	C
BARROW STRAIT		74	20.0	96	30.0	77	05	06	77	05	29	?	?	?	?	?			

CURRENT METER DATA SET NUMBER: 77-0012
YEAR:1977 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	SENSOR		
																	P	T	C
M'CLURE STRAIT	31	74	20.2	113	21.8	77	04	03	77	05	07	31	10	6	?	?			
M'CLURE STRAIT	34	73	42.9	114	46.0	77	04	03	77	05	12	32	10	6	?	?			
PR. WALES	2.1	73	20.9	115	36.0	77	04	01	77	05	11	40	10	6	?	?			
PR. WALES	2.2	73	20.9	115	36.0	77	04	01	77	05	11	40	10	34	?	?			
PR. WALES	4.1	73	17.2	115	25.1	77	04	01	77	06	02	10	10	6	?	?			

CURRENT METER DATA SET NUMBER: 77-0013
YEAR:1977 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
LANCASTER SD.	1.1	74	05.5	81	11.0	77	07	28	77	10	01	60	10	39	772	AAND		X	
LANCASTER SD.	1.2	74	05.5	81	11.0	77	07	28	77	10	01	65	10	203	772	AAND		X	
LANCASTER SD.	1.3	74	05.5	81	11.0	77	07	28	77	10	01	0	10	554	772	AAND		X	
LANCASTER SD.	3.1	74	07.4	82	13.0	77	07	29	77	09	29	62	10	51	741	AAND		X	X
LANCASTER SD.	3.2	74	07.4	82	13.0	77	07	29	77	09	29	62	10	216	741	AAND		X	X
LANCASTER SD.	3.3	74	07.4	82	13.0	77	07	29	77	09	29	0	10	550	741	AAND		X	X
LANCASTER SD.	4.1	73	51.0	82	13.0	77	07	28	77	09	29	0	10	35	724	AAND		X	X
LANCASTER SD.	4.2	73	51.0	82	13.0	77	07	28	77	09	29	0	10	200	724	AAND		X	X
LANCASTER SD.	4.3	73	51.0	82	13.0	77	07	28	77	09	09	63	10	549	724	AAND		X	X

CURRENT METER DATA SET NUMBER: 77-0017
YEAR:1977 VESSEL/AGENCY: BIO

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
CORON.GULF	264	68	28.06	111	01.18	77	08	22	77	09	03	11	20	5	44	AAND	X	X	

CURRENT METER DATA SET NUMBER: 78-0003
YEAR:1978 VESSEL/AGENCY: PHOENIX VENTURES

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BRIDPORT INLET	1	75	02.0	108	45.0	78	02	12	78	04	18	65	10	12	?	AAND			
BRIDPORT INLET	2	75	02.0	108	45.0	78	02	12	78	04	18	65	10	12	?	AAND		X	
BRIDPORT INLET	3	75	02.0	108	45.0	78	02	12	78	04	18	65	10	12	?	AAND			
BRIDPORT INLET	4	75	02.0	108	45.0	78	02	12	78	04	18	65	10	60	?	AAND			

CURRENT METER DATA SET NUMBER: 78-0004
YEAR:1978 VESSEL/AGENCY: MCGILL

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT		74	10.0	98	34.0	78	04	21	78	05	05	?	?	?	?	?			
BARROW STRAIT		74	53.0	98	22.0	78	04	25	78	04	26	?	?	?	?	?			
BARROW STRAIT		74	27.0	98	05.0	78	04	28	78	04	29	?	?	?	?	?			

CURRENT METER DATA SET NUMBER: 78-0005B
YEAR:1978 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	START YR	START MO	START DY	STOP YR	STOP MO	STOP DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
LANCASTER SD.	4.1	74	29.80	80	38.00	78	08	04	78	09	18	20	10	46	?	AAND	X	X	X
LANCASTER SD.	4.2	74	29.80	80	38.00	78	08	04	78	09	18	44	10	254	?	AAND	X	X	X
LANCASTER SD.	4.3	74	29.80	80	38.00	78	08	04	78	09	18	40	10	495	?	AAND	X	X	X
LANCASTER SD.	5.1	74	09.23	80	19.09	78	08	05	78	09	20	24	10	268	?	AAND	X	X	X
LANCASTER SD.	5.2	74	09.23	80	19.09	78	08	05	78	09	20	23	10	519	?	AAND	X	X	X
LANCASTER SD.	5.3	74	09.23	80	19.09	78	08	05	78	09	20	40	10	770	?	AAND	X	X	X
LANCASTER SD.	6.1	73	47.10	80	05.10	78	08	05	78	09	20	45	10	29	?	AAND	X	X	X
LANCASTER SD.	6.2	73	47.10	80	05.10	78	08	05	78	09	20	46	10	237	?	AAND	X	X	X
LANCASTER SD.	6.3	73	47.10	80	05.10	78	08	05	78	09	20	46	10	486	?	AAND	X	X	X

CURRENT METER DATA SET NUMBER: 78-0007
YEAR:1978 VESSEL/AGENCY: CCIW

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	START YR	START MO	START DY	STOP YR	STOP MO	STOP DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
BARROW STRAIT	28	74	40.30	96	43.80	78	03	10	78	04	12	33	5	4	210	AAND		X	X
BARROW STRAIT	28	74	40.30	96	43.80	78	03	10	78	04	02	23	5	50	210	AAND		X	X
BARROW STRAIT	35	74	52.80	98	17.00	78	03	11	78	04	22	42	10	4	92	AAND		X	X
BARROW STRAIT	35	74	52.80	98	17.00	78	03	11	78	04	22	42	10	50	92	AAND		X	X
BARROW STRAIT	38	74	38.30	97	58.20	78	03	13	78	04	29	16	10	4	88	AAND		X	X
BARROW STRAIT	38	74	38.30	97	58.20	78	03	13	78	04	22	40	10	50	88	AAND		X	X
BARROW STRAIT	42	74	26.70	98	06.40	78	03	11	78	04	23	42	10	4	137	AAND		X	X
BARROW STRAIT	42	74	26.70	98	06.40	78	03	11	78	04	12	32	10	50	137	AAND		X	X
BARROW STRAIT	45	74	10.00	98	34.00	78	03	11	78	04	23	42	10	4	126	AAND		X	X
BARROW STRAIT	45	74	10.00	98	34.00	78	03	11	78	04	23	42	10	50	126	AAND		X	X
AUSTIN CHANNEL	82	75	27.30	103	05.40	78	03	15	78	04	26	42	10	5	180	AAND		X	X
AUSTIN CHANNEL	82	75	27.30	103	05.40	78	03	15	78	04	26	42	10	50	180	AAND		X	X
AUSTIN CHANNEL	92	75	11.10	101	06.70	78	03	15	78	04	26	0	10	4	155	AAND		X	X
AUSTIN CHANNEL	95	75	07.40	102	59.60	78	03	15	78	04	19	17	10	5	147	AAND		X	X

CURRENT METER DATA SET NUMBER: 79-0011B
YEAR:1979 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG	LAT MIN	LON DEG	LON MIN	START YR	START MO	START DY	STOP YR	STOP MO	STOP DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
LANCASTER SD.	G.1	74	26.30	81	55.10	79	07	23	79	09	22	61	10	42	724	AAND	X	X	X
LANCASTER SD.	G.2	74	26.30	81	55.10	79	07	23	79	09	22	61	10	233	724	AAND	X	X	X
LANCASTER SD.	G.3	74	26.30	81	55.10	79	07	23	79	09	22	4	10	504	724	AAND	X	X	X
LANCASTER SD.	H.1	74	07.04	82	10.97	79	08	01	79	09	22	52	10	41	730	AAND	X	X	X
LANCASTER SD.	H.2	74	07.04	82	10.97	79	08	01	79	09	22	52	10	250	730	AAND	X	X	X
LANCASTER SD.	H.3	74	07.04	82	10.97	79	08	01	79	09	22	52	10	481	730	AAND	X	X	X
LANCASTER SD.	I.1	73	49.95	82	07.43	79	08	01	79	09	22	52	10	35	705	AAND	X	X	X
LANCASTER SD.	I.2	73	49.95	82	07.43	79	08	01	79	09	22	52	10	510	705	AAND	X	X	X
LANCASTER SD.	J.1	74	09.04	82	07.43	79	08	02	79	09	20	50	10	37	724	AAND	X	X	X
LANCASTER SD.	J.2	74	09.04	82	07.43	79	08	02	79	09	20	50	10	250	724	AAND	X	X	X
LANCASTER SD.	J.3	74	09.00	82	07.40	79	08	02	79	09	20	50	10	494	724	AAND	X	X	X
LANCASTER SD.	K.1	74	07.87	83	21.23	79	08	02	79	08	11	8	10	49	664	AAND	X	X	X
LANCASTER SD.	K.2	74	07.87	83	21.23	79	08	02	79	08	11	8	10	264	664	AAND	X	X	X
LANCASTER SD.	K.3	74	07.87	83	21.23	79	08	02	79	08	11	49	10	517	664	AAND	X	X	X
LANCASTER SD.	L.1	73	51.88	80	11.32	79	07	29	79	09	18	56	10	50	832	AAND	X	X	X
LANCASTER SD.	L.2	73	51.88	80	11.32	79	07	29	79	09	18	51	10	507	832	AAND	X	X	X
LANCASTER SD.	M.1	73	46.50	80	14.90	79	07	28	79	09	21	55	10	64	540	AAND	X	X	X
LANCASTER SD.	M.2	73	46.50	80	14.90	79	07	28	79	09	21	55	10	243	540	AAND	X	X	X

LANCASTER SD.	M.3	73	46.50	80	14.90	79	07	28	79	09	21	55	10	476	540	AAND	X	X	X

CURRENT METER DATA SET NUMBER: 79-0012
YEAR: 1979 VESSEL/AGENCY: POLAR GAS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
DOL.&UN.STRAIT	1.1	68	27.02	113	15.08	79	08	28	79	09	21	25	?	10	32	AAND	X	X	X
DOL.&UN.STRAIT	1.2	68	27.02	113	15.08	79	08	28	79	09	21	25	?	27	32	AAND		X	X
DOL.&UN.STRAIT	2.1	68	26.42	113	21.20	79	09	10	79	09	24	14	?	11	100	AAND	X	X	X
DOL.&UN.STRAIT	2.2	68	26.42	113	21.20	79	09	10	79	09	24	14	?	95	100	AAND		X	X
DOL.&UN.STRAIT	3.1	68	25.32	113	29.40	79	09	11	79	09	24	13	?	11	78	AAND	X	X	X
DOL.&UN.STRAIT	3.2	68	25.32	113	29.40	79	09	11	79	09	24	13	?	73	78	AAND		X	X
DOL.&UN.STRAIT	4.1	68	23.78	113	42.02	79	09	09	79	09	24	15	?	10	104	AAND	X	X	X
DOL.&UN.STRAIT	4.2	68	23.78	113	42.02	79	09	09	79	09	24	15	?	99	104	AAND		X	X
DOL.&UN.STRAIT	6.1	68	22.30	113	53.47	79	09	09	79	09	24	15	?	8	57	AAND	X	X	X
DOL.&UN.STRAIT	6.2	68	22.30	113	53.47	79	09	09	79	09	24	15	?	52	57	AAND		X	X

CURRENT METER DATA SET NUMBER: 79-0013
YEAR: 1979 VESSEL/AGENCY: POLAR GAS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
M'CLURE STRAIT	1.1	73	23.73	114	23.00	79	02	25	79	04	19	54	?	3	55	AAND			
M'CLURE STRAIT	2.1	73	38.55	114	14.00	79	03	04	79	04	18	46	?	3	245	AAND			
M'CLURE STRAIT	2.2	73	38.55	114	14.00	79	03	04	79	04	18	0	?	95	245	AAND			
M'CLURE STRAIT	2.3	73	38.55	114	14.00	79	03	04	79	04	18	0	?	242	245	AAND			
M'CLURE STRAIT	3.1	73	53.75	113	53.50	79	03	06	79	04	18	44	?	3	505	AAND			
M'CLURE STRAIT	3.2	73	53.75	113	53.50	79	03	06	79	04	18	0	?	255	505	AAND			
M'CLURE STRAIT	3.3	73	53.75	113	53.50	79	03	06	79	04	18	0	?	502	505	AAND			
M'CLURE STRAIT	4.1	74	10.00	113	37.25	79	03	11	79	04	19	0	?	3	490	AAND			
M'CLURE STRAIT	4.2	74	10.00	113	37.25	79	03	11	79	04	19	0	?	245	490	AAND			
M'CLURE STRAIT	4.3	74	10.00	113	37.25	79	03	11	79	04	19	0	?	487	490	AAND			
M'CLURE STRAIT	5.1	74	24.80	113	15.00	79	03	13	79	04	18	37	?	3	38	AAND			
M'CLURE STRAIT	5.2	74	24.80	113	15.00	79	03	13	79	04	18	37	?	18	38	AAND			

CURRENT METER DATA SET NUMBER: 79-0014
YEAR: 1979 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BRIDPORT INLET	1.1	74	57.83	108	55.00	79	03	25	79	07	30	12	20	20	?	?		X	X
BRIDPORT INLET	1.2	74	57.83	108	55.00	79	03	25	79	07	05	10	20	50	?	?		X	X
BRIDPORT INLET	2.1	74	59.75	108	51.00	79	03	26	79	07	30	12	20	20	?	?		X	X
BRIDPORT INLET	2.2	74	59.75	108	51.00	79	03	26	79	07	05	10	20	50	?	?		X	X
BRIDPORT INLET	3.1	75	03.50	108	46.33	79	04	03	79	07	30	11	20	20	?	?		X	X
BRIDPORT INLET	3.2	75	03.50	108	46.33	79	04	03	79	07	05	9	20	50	?	?		X	X

CURRENT METER DATA SET NUMBER: 80-0007
YEAR:1980 VESSEL/AGENCY: HUDSON,BIO

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
LANCASTER SD.		74	27.0	81	43.5	80	08	20	80	08	20	?	?	?	?	?			
LANCASTER SD.		73	44.0	81	45.0	80	08	18	80	08	18	?	?	?	?	?			
LANCASTER SD.		73	50.0	81	42.0	80	08	19	80	08	19	?	?	?	?	?			
LANCASTER SD.		73	54.9	81	46.0	80	08	19	80	08	19	?	?	?	?	?			
LANCASTER SD.		74	01.0	81	46.0	80	08	19	80	08	19	?	?	?	?	?			
LANCASTER SD.		74	06.2	81	46.0	80	08	19	80	08	19	?	?	?	?	?			
LANCASTER SD.		74	12.8	81	46.0	80	08	19	80	08	19	?	?	?	?	?			
LANCASTER SD.		74	18.0	81	46.0	80	08	19	80	08	19	?	?	?	?	?			
LANCASTER SD.		74	22.5	81	48.0	80	08	19	80	08	19	?	?	?	?	?			

CURRENT METER DATA SET NUMBER: 80-0009
YEAR:1980 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BRIDPORT INLET	4	75	02.10	108	41.33	80	03	27	80	04	28	32	15	12	?	AAND		X	X
BRIDPORT INLET	5	75	00.30	108	42.33	80	03	27	80	04	28	31	15	12	?	AAND		X	X
BRIDPORT INLET	6	74	59.57	108	49.30	80	03	27	80	04	28	31	15	12	?	AAND		X	X
BRIDPORT INLET	7.1	74	59.67	108	50.05	80	03	27	80	04	28	31	15	50	?	AAND		X	X
BRIDPORT INLET	7.2	74	59.67	108	50.05	80	03	28	80	04	28	31	15	12	?	AAND		X	X
BRIDPORT INLET	8.1	74	59.73	108	50.92	80	03	28	80	04	28	30	15	50	?	AAND		X	X
BRIDPORT INLET	8.2	74	59.73	108	50.92	80	03	28	80	04	28	31	15	12	?	AAND		X	X
BRIDPORT INLET	9	74	59.83	108	51.67	80	03	28	80	04	28	31	15	12	?	AAND		X	X
BRIDPORT INLET	10	75	01.13	108	52.87	80	03	29	80	04	29	31	15	12	?	AAND		X	X

CURRENT METER DATA SET NUMBER: 81-0007
YEAR:1981 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT		74	41.0	91	51.0	81	03	12	81	03	13	?	?	?	?	CCIW			
BARROW STRAIT		74	38.4	95	11.8	81	04	06	81	04	11	?	?	?	?	CCIW			
BARROW STRAIT		74	13.3	93	38.4	81	04	14	81	04	15	?	?	?	?	CCIW			
BARROW STRAIT		74	41.6	96	00.0	81	04	17	81	04	18	?	?	?	?	CCIW			
BARROW STRAIT		74	12.3	97	49.3	81	04	20	81	04	21	?	?	?	?	CCIW			
PEEL SOUND	81	73	41.60	96	49.00	81	03	29	81	04	27	?	?	10	225	AAND			
PEEL SOUND	82	73	41.60	96	37.00	81	03	28	81	04	26	34	10	10	230	AAND			
PEEL SOUND	82	73	41.60	96	37.00	81	03	28	81	04	26	34	10	50	230	AAND			
PEEL SOUND	82	73	41.60	96	37.00	81	03	28	81	04	26	34	10	100	230	AAND			
PEEL SOUND	82	73	41.60	96	37.00	81	03	28	81	04	26	34	10	200	230	AAND			
PEEL SOUND	83	73	41.60	96	18.50	81	03	29	81	04	27	?	?	10	254	AAND			
PEEL SOUND	84	73	41.60	96	00.00	81	03	23	81	04	24	32	10	10	245	AAND			
PEEL SOUND	84	73	41.60	96	00.00	81	03	23	81	04	24	32	10	50	245	AAND			
PEEL SOUND	84	73	41.60	96	00.00	81	03	23	81	04	24	32	10	98	245	AAND			
PEEL SOUND	84	73	41.60	96	00.00	81	03	23	81	04	24	32	10	100	245	AAND			
PEEL SOUND	84	73	41.60	96	00.00	81	03	23	81	04	12	22	10	225	245	AAND			
PEEL SOUND	85	73	41.60	95	48.20	81	03	29	81	04	27	?	?	10	165	AAND			
BARROW STRAIT	46A	74	13.20	93	38.30	81	04	14	82	04	21	249	60	26	170	AAND			
BARROW STRAIT	46A	74	13.20	93	38.30	81	04	14	82	04	21	249	60	60	170	AAND			
BARROW STRAIT	46A	74	13.20	93	38.30	81	04	14	82	04	21	249	60	150	170	AAND			

CURRENT METER DATA SET NUMBER: 82-0002
YEAR: 1982 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT	41	74	36.2	94	02.8	82	03	19	82	04	23	?	10	10	98	AAND			
BARROW STRAIT	42	74	34.0	94	01.1	82	03	19	82	04	22	34	10	10	136	AAND			
BARROW STRAIT	42	74	34.0	94	01.1	82	03	24	82	04	22	29	10	50	136	AAND			
BARROW STRAIT	42	74	34.0	94	01.1	82	03	24	82	04	22	29	10	115	136	AAND			
BARROW STRAIT	42	74	34.0	94	01.1	82	03	24	82	04	22	29	10	116	136	AAND			
BARROW STRAIT	44	74	24.1	93	54.7	82	03	20	82	04	20	30	10	10	162	AAND			
BARROW STRAIT	44	74	24.1	93	54.7	82	03	22	82	04	20	25	10	50	162	AAND			
BARROW STRAIT	44	74	24.1	93	54.7	82	03	22	82	04	20	25	10	142	162	AAND			
BARROW STRAIT	46	74	13.4	93	41.2	82	03	19	82	04	19	23	10	10	170	AAND			
BARROW STRAIT	46	74	13.4	93	41.2	82	03	20	82	04	19	22	10	50	140	AAND			
BARROW STRAIT	46	74	13.4	93	41.2	82	03	20	82	04	19	22	10	170	170	AAND			
BARROW STRAIT	47	74	11.3	93	33.9	82	03	20	82	04	14	?	10	10	55	AAND			

CURRENT METER DATA SET NUMBER: 82-0004
YEAR: 1982 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
PR. WALES STR.	1	73	15.7	116	16.6	82	03	25	82	06	24	?	15	20.5	?	AAND		X	X
PR. WALES STR.	2	73	14.6	116	16.6	82	03	25	82	06	24	?	15	20.5	?	AAND		X	X
PR. WALES STR.	3	73	13.5	116	15.8	82	03	24	82	04	19	?	15	20.5	?	AAND		X	X
PR. WALES STR.	4	73	12.4	116	13.8	82	03	25	82	04	07	?	15	20.5	?	AAND		X	X
PR. WALES STR.	5	73	11.6	116	15.0	82	03	24	82	06	24	?	15	20.5	?	AAND		X	X
PR. WALES STR.	6	73	10.6	116	12.7	82	03	24	82	06	24	?	15	20.5	?	AAND		X	X
PR. WALES STR.	7	73	09.2	116	09.7	82	03	25	82	05	23	?	15	20.5	?	AAND		X	X
PR. WALES STR.	8	73	08.7	116	08.0	82	03	25	82	05	03	?	15	20.5	?	AAND		X	X
PR. WALES STR.	9	73	05.0	116	34.7	82	03	25	82	06	13	?	15	20.5	?	AAND		X	X
PR. WALES STR.	10	73	12.1	115	58.1	82	03	25	82	06	24	?	15	20.5	?	AAND		X	X
PR. WALES STR.	PW1	72	47.1	117	49.7	82	03	30	82	04	29	?	?	10.0	?	AAND		X	X
M'CLURE STRAIT	11	73	55.7	116	08.9	82	03	30	82	05	05	?	15	18.5	?	AAND		X	X
M'CLURE STRAIT	11	73	56.2	116	09.0	82	03	30	82	06	21	?	60	80.0	?	AAND		X	X
M'CLURE STRAIT	11	73	56.0	116	09.0	82	03	30	82	06	21	?	60	232.0	?	AAND		X	X
M'CLURE STRAIT	12	73	56.2	115	51.6	82	04	06	82	06	21	?	15	18.5	?	AAND		X	X
M'CLURE STRAIT	13	73	59.9	115	27.7	82	04	06	82	06	21	?	15	18.5	?	AAND		X	X
M'CLURE STRAIT	14	74	10.0	115	02.0	82	04	07	82	06	21	?	15	18.5	?	AAND		X	X
M'CLURE STRAIT	15	74	17.7	114	30.0	82	04	07	82	06	21	?	15	18.5	?	AAND		X	X
M'CLURE STRAIT	16	74	24.9	114	00.0	82	04	06	82	06	21	?	15	18.5	?	AAND		X	X
M'CLURE STRAIT	16	74	24.9	114	00.0	82	04	06	82	06	21	?	60	75.0	?	AAND		X	X
M'CLURE STRAIT	17	74	26.9	113	51.0	82	04	07	82	06	21	?	15	18.5	?	AAND		X	X
PEEL POINT	18	73	19.8	113	58.0	82	04	09	82	06	23	?	15	18.5	?	AAND		X	X
PEEL POINT	19	73	29.7	113	19.3	82	04	09	82	06	23	?	15	18.5	?	AAND		X	X
VISC. MEL. SD.	20	73	48.7	106	25.9	82	04	18	82	06	20	?	15	18.5	?	AAND		X	X
VISC. MEL. SD.	21	73	53.6	106	30.0	82	04	18	82	05	30	?	15	18.5	?	AAND		X	X
VISC. MEL. SD.	22	74	00.8	106	35.8	82	04	18	82	06	19	?	15	18.5	?	AAND		X	X
VISC. MEL. SD.	24	74	41.1	107	06.2	82	04	18	82	06	19	?	15	18.5	?	AAND		X	X
VISC. MEL. SD.	25	74	48.0	107	11.0	82	04	18	82	06	20	?	15	18.5	?	AAND		X	X
VISC. MEL. SD.	26	74	51.2	107	14.0	82	04	18	82	06	20	?	15	18.5	?	AAND		X	X

CURRENT METER DATA SET NUMBER: 83-0008
YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BYAM MARTIN CH.	62	75	55.6	105	22.6	83	04	02	83	05	23	?	15	18.5	178	AAND		X	X
BYAM MARTIN CH.	63	75	58.1	105	10.6	83	04	02	83	05	18	?	15	18.5	136	AAND		X	X
BYAM MARTIN CH.	65	76	02.9	104	38.8	83	04	02	83	04	19	?	15	18.5	180	AAND		X	X
BYAM MARTIN CH.	66	76	04.6	104	27.9	83	04	02	83	05	23	?	15	18.5	118	AAND		X	X
AUSTIN CHANNEL	71	75	23.2	102	29.3	83	04	01	83	05	23	?	15	18.5	?	AAND		X	X
AUSTIN CHANNEL	71	75	23.3	102	38.6	83	04	01	84	04	30	?	?	73.0	?	AAND		X	X
AUSTIN CHANNEL	71	75	23.3	102	38.6	83	04	01	84	04	30	?	?	123.0	?	AAND		X	X
BYAM MARTIN CH.	57	74	51.6	104	12.8	83	04	03	83	05	04	?	15	18.5	127	AAND		X	X
BYAM MARTIN CH.	58	74	59.1	104	13.4	83	04	03	83	05	06	?	15	18.5	61	AAND		X	X
BATHURST IS.	72	74	57.1	100	26.9	83	04	06	83	05	22	?	15	18.5	78	AAND		X	X
BATHURST IS.	74	74	51.0	100	49.7	83	04	06	83	05	22	?	15	18.5	130	AAND		X	X
PR. WALES IS.	81	73	52.9	100	59.7	83	04	06	83	06	11	?	15	18.5	65	AAND		X	X
PR. WALES IS.	79	74	00.2	101	39.8	83	04	06	83	05	02	?	15	18.5	132	AAND		X	X
MCLINTOCK CH.	82	72	56.3	104	52.0	83	04	07	83	06	10	?	15	18.5	69	AAND		X	X
MCLINTOCK CH.	83	72	54.8	104	29.0	83	04	07	83	06	10	?	15	18.5	203	AAND		X	X
MCLINTOCK CH.	86	72	51.9	103	08.6	83	04	07	83	06	10	?	15	18.5	276	AAND		X	X
MCLINTOCK CH.	87	72	50.5	102	54.1	83	04	07	83	05	08	?	15	18.5	89	AAND		X	X

CURRENT METER DATA SET NUMBER: 83-0009
YEAR:1983 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT	41	74	36.2	94	02.8	83	03	29	83	04	27	?	10	10	?	AAND			
BARROW STRAIT	42A	74	34.0	94	01.1	83	03	29	83	04	27	29	10	10	?	AAND			
BARROW STRAIT	42A	74	34.0	94	01.1	83	03	28	83	04	25	28	10	40	?	AAND			
BARROW STRAIT	42A	74	34.0	94	01.1	83	03	28	83	04	25	28	10	60	?	AAND			
BARROW STRAIT	42A	74	34.0	94	01.1	83	03	28	83	04	25	28	10	80	?	AAND			
BARROW STRAIT	42A	74	34.0	94	01.1	83	03	28	83	04	25	28	10	120	?	AAND			
BARROW STRAIT	42B	74	34.1	94	01.2	83	04	22	84	?	?	?	?	40	129	AAND			
BARROW STRAIT	42B	74	34.1	94	01.2	83	04	22	84	?	?	?	?	80	129	AAND			
BARROW STRAIT	42B	74	34.1	94	01.2	83	04	22	84	?	?	?	?	110	129	AAND			
BARROW STRAIT	44	74	24.1	93	54.1	83	03	29	83	04	27	?	10	10	?	AAND			
BARROW STRAIT	46A	74	13.1	93	45.5	83	03	29	83	04	27	29	10	10	?	AAND			
BARROW STRAIT	46A	74	13.1	93	45.5	83	03	24	83	03	31	07	10	40	?	AAND			
BARROW STRAIT	46A	74	13.1	93	45.5	83	03	24	83	04	03	10	10	60	?	AAND			
BARROW STRAIT	46A	74	13.1	93	45.5	83	03	24	83	04	23	30	10	80	?	AAND			
BARROW STRAIT	46A	74	13.1	93	45.5	83	03	24	83	04	23	30	10	150	?	AAND			
BARROW STRAIT	46B	74	13.1	93	45.6	83	04	24	84	?	?	?	?	40	162	AAND			
BARROW STRAIT	46B	74	13.1	93	45.6	83	04	24	84	?	?	?	?	80	162	AAND			
BARROW STRAIT	46B	74	13.1	93	45.6	83	04	24	84	?	?	?	?	145	162	AAND			
BARROW STRAIT	47	74	11.3	93	43.0	83	03	29	83	04	27	?	10	10	?	AAND			
PR. REGENT IN.	NA	72	53.5	91	44.0	83	03	17	83	05	01	?	10	10	?	AAND			
PR. REGENT IN.	NB	73	14.0	89	05.0	83	03	20	83	04	30	?	10	10	?	AAND			
PR. REGENT IN.	NC	73	49.0	90	17.5	83	03	20	83	04	30	?	10	10	?	AAND			

CURRENT METER DATA SET NUMBER: 83-0016
YEAR:1983 VESSEL/AGENCY: NRC

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BORDEN STATION		73	45.	81	30.	83	04	16	83	06	11	?	10	3	35	RCM4			
BORDEN STATION		73	44.	81	30.	83	11	23	84	05	18	?	10	3	15	RCM4			

CURRENT METER DATA SET NUMBER: 84-0049
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
M'CLURE STRAIT	B07	74	24.8	123	53.1	84	04	11	85	05	02	?	60	36	?	AAND		X	X
M'CLURE STRAIT	B07	74	24.8	123	53.1	84	04	11	85	05	02	?	60	96	?	AAND		X	X

CURRENT METER DATA SET NUMBER: 84-0050
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT	46	74	12.5	93	46.8	84	04	25	84	06	08	45	?	18.5	?	AAND		X	X
BARROW STRAIT	42	74	34.2	94	01.2	84	04	27	84	06	08	43	?	18.5	?	AAND		X	X
BARROW STRAIT	42	74	34.2	94	01.2	84	04	27	85	04	12	351	?	51.0	?	AAND		X	X
BARROW STRAIT	42	74	34.2	94	01.2	84	04	27	85	03	24	332	?	100.0	?	AAND		X	X
WELLINGTON CH.	WC13	74	47.7	93	17.8	84	05	01	84	06	09	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC12	74	47.7	92	48.1	84	05	01	84	06	09	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC11	74	47.8	92	27.8	84	04	19	84	06	01	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC10	74	47.5	92	21.6	84	04	19	84	05	19	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC08	74	47.7	92	09.2	84	04	19	84	06	09	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC07	75	15.2	93	22.8	84	04	19	84	06	09	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC06	75	14.4	92	59.6	84	04	20	84	06	09	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC05	75	14.4	92	44.4	84	04	08	84	06	07	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC04	75	14.1	92	40.0	84	04	08	84	06	07	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC03	75	14.1	92	35.4	84	04	08	84	06	07	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC02	75	14.1	92	33.8	84	04	07	84	04	23	?	10	18.5	?	AAND		X	X
WELLINGTON CH.	WC01	75	13.3	92	31.7	84	04	07	84	06	07	?	10	18.5	?	AAND		X	X
PENNY STRAIT	PSW	76	36.2	97	25.2	84	04	23	85	04	12	?	60	49.0	?	AAND		X	X
PENNY STRAIT	PSW	76	36.2	97	25.2	84	04	23	85	04	18	?	60	138.0	?	AAND		X	X
PENNY STRAIT	PSE	76	38.7	96	54.6	84	04	23	85	04	16	?	60	43.0	?	AAND		X	X
PENNY STRAIT	PSE	76	38.7	96	54.6	84	04	23	84	09	10	?	60	131.0	?	AAND		X	X

CURRENT METER DATA SET NUMBER: 84-0051
YEAR:1984 VESSEL/AGENCY: C-CORE

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
LANCASTER SD.	ADAMS	73	45.	81	30.	84	11	14	84	11	16	?	?	?	54	NB		X	
LANCASTER SD.	ADAMS	73	45.	81	30.	85	05	15	85	05	17	?	?	?	54	NB		X	

CURRENT METER DATA SET NUMBER: 85-0035
YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT		74	27.74	97	10.78	85	04	22	85	05	04	?	?	?	114	AAND		X	X

CURRENT METER DATA SET NUMBER: 86-0012
YEAR:1986 VESSEL/AGENCY: BIO

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT		74	30.00	95	00.00	86	01	17	86	04	01	?	15	3	83	AAND			

11.3 WATER-LEVEL DATA

The listings contain the following information:

AREA	General area of station.
STN	Station number; generally as assigned by the originating agency.
LAT, LONG	In degrees and minutes.
START/STOP	Year, month and day instrument recorded over.
EFF LEN	Effective record length in days.
DT (MN)	Sampling rate in minutes. A zero value implies continuous sampling.
DEPTHS-INSTR/WATER	Instrument and water depth, in metres.
INSTR TYPE	Instrument type: AAND - Aanderaa AM12 - Applied Microsystems Ltd. 12A AML - Applied Microsystems Ltd. BASS - Bass Engineering optical lever FOXB - Foxboro HWK - HWK float LEGE - Lege LEOP - Leopold Stevens LEWI - Lewis Guage (IOS) MECH - shore-based gauge, temporary or permanent OTT - Ott gauge, either float or potentiometric OTTB - Ottboro RICH - Richard SDAT - SeaData bottom wave and/or water level sensor STAF - Tide staff STEV - Stevens TG2A - Aanderaa TG2A TG3A - Aanderaa TG3A TG4A - Aanderaa TG4A UBC - Univ. of British Columbia gauge WLR5 - Aanderaa WLR5 750A - Applied Microsystems Ltd. 750A
ADDIT SENSOR	Parameters measured qualified by : X - measurements of this parameter were made

Blank entries indicate unavailable or inapplicable data.

? signifies data which are either unknown or may be suspect; for example, a location which plots on land.

In cases where water-level data have been collected intermittently or continuously over more than one year, one I.D. number has been used to represent the entire data set.

WATER LEVEL DATA SET NUMBER: 1820-0002
YEAR:1820 VESSEL/AGENCY: CAPTAIN PARRY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
WINTER HARBOUR	5645	74 47.	110 48.	20*05 05	20 06 02	29	?	?	?	STAF	

* 1820

WATER LEVEL DATA SET NUMBER: 1848-0002
YEAR:1848 VESSEL/AGENCY: CAPTAIN ROSS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
PORT LEOPOLD	5905	73 50.	90 20.	48*11 01	49 07 31	47	60	?	?	STAF	

* 1848

WATER LEVEL DATA SET NUMBER: 1858-0001
YEAR:1858 VESSEL/AGENCY: BRITISH VESSELS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
BEECHEY ISLAND	5510	74 43.	91 54.	58*11 02	59 02 28	119	?	?	?	?	

* 1858

WATER LEVEL DATA SET NUMBER: 1859-0001
YEAR:1859 VESSEL/AGENCY: BRITISH VESSELS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
BELLOT STRAIT		72 01.	94 15.	59*07 01	59 07 29	29	60	?	?	?	

* 1859

WATER LEVEL DATA SET NUMBER: 08-0001
YEAR:1908 VESSEL/AGENCY: ARCTIC

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
MELVILLE IS.	5645	74 47.0	110 48.0	08 11 01	09 03 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 10-0001
YEAR:1910 VESSEL/AGENCY: ARCTIC

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
ADMIRALTY IN.	5865	73 02.0	85 10.0	10 12 01	11 04 30	?	60	?	?	?	
ARCTIC BAY		73 02.0	84 00.0	11 02 04	11 03 03	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 15-0001
YEAR:1915 VESSEL/AGENCY: CAN. ARCTIC EXP.

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
DOL.-UNION STR		68 47.0	114 45.0	15 12 04	15 12 12	?	?	?	?	?	
DOL.-UNION STR		68 47.0	114 45.0	15 06 06	15 06 23	?	?	?	?	?	
PR. WALES STR.		72 56.0	117 10.0	15 10 08	15 11 08	?	?	?	?	?	

WATER LEVEL DATA SET NUMBER: 15-0002
YEAR:1915 VESSEL/AGENCY: CAN. ARCTIC EXP.

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
DOL.-UNION STR	6310	68 47.0	114 47.0	15 12 01	16 06 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 48-0002
YEAR:1948 VESSEL/AGENCY: USCGS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
WINTER HARBOUR		74 47.0	110 48.0	48 ? ?	48 ? ?	?	?	?	?	?	

WATER LEVEL DATA SET NUMBER: 49-0001
YEAR:1949 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
RESOLUTE	5560	74 41.0	94 54.0	49 07 01	52 05 31	?	60	?	?	STAF	

WATER LEVEL DATA SET NUMBER: 53-0003
YEAR:1953 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
RODD HEAD	5740	74 14.0	117 20.0	53 08 24	53 08 27	?	30	?	?	?	
MERCY BAY	5750	74 05.0	119 00.0	53 08 04	53 08 21	11	30	?	?	?	
CASTLE BAY	5760	74 12.0	119 35.0	53 07 20	53 08 02	?	30	?	?	?	

WATER LEVEL DATA SET NUMBER: 54-0005
YEAR:1954 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
RESOLUTE	5560	74 41.0	94 54.0	54 06 01	54 09 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 55-0003
YEAR:1955 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
SHEPHERD BAY	6160	68 46.0	93 34.0	55 08 09	55 08 13	5	30	?	?	?	

WATER LEVEL DATA SET NUMBER: 56-0004
YEAR:1956 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
BERNARD HARBOR	6310	68 47.0	114 47.0	56 09 02	56 09 30	?	?	?	?	?	

WATER LEVEL DATA SET NUMBER: 57-0004
YEAR:1957 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
RESOLUTE	5560	74 41.0	94 54.0	57 08 ?	CONTINUING		?	?	?	?	

WATER LEVEL DATA SET NUMBER: 57-0005
YEAR:1957 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
FALSE STRAIT	6100	71 58.0	95 10.0	57 08 23	57 09 06	?	?	?	?	?	
FORT ROSS	5930	72 01.0	94 14.0	57 08 23	57 09 06	?	?	?	?	STAF	

WATER LEVEL DATA SET NUMBER: 59-0004
YEAR:1959 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
SPENCE BAY	6150	69 32.0	93 31.0	59 08 01	60 09 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 60-0006
YEAR:1960 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
PURFUR	5330	69 50.0	84 13.0	60 09 01	60 09 30	?	60	?	?	?	
DUNDAS HARBOUR	5430	74 31.0	82 26.0	60 08 01	60 09 30	?	60	?	?	?	
BARROW STRAIT	5500	74 43.0	91 05.0	60 09 01	61 09 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 61-0006
YEAR:1961 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
CAMBRIDGE BAY	6240	69 07.0	105 04.0	61 07 ?	CONTINUING		?	?	?	?	

WATER LEVEL DATA SET NUMBER: 61-0007
YEAR:1961 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
RIGBY BAY	5490	74 33.0	90 10.0	61 08 01	61 09 30	?	60	?	?	?	
RADSTOCK	5500	74 42.7	91 05.1	61 09 02	61 09 16	15	60	?	?	STAF	
STRATHCONA SD.	5860	73 30.0	84 24.0	61 08 01	61 09 30	?	60	?	?	STAF	
CAMBRIDGE BAY	6240	69 07.0	105 04.0	61 01 01	61 06 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 62-0008
YEAR:1962 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
CAPE CAPEL	5600	75 04.0	98 14.0	62 08 08	62 09 07	29	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 69-0003
YEAR:1969 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
SPENCE BAY	6150	69 32.0	93 31.0	69 08 ?	CONTINUING		?	?	?	?	

WATER LEVEL DATA SET NUMBER: 70-0007
YEAR:1970 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
PR. WALES STR.		72 46.0	118 05.0	70 08 31	70 09 15	?	?	?	?	?	

WATER LEVEL DATA SET NUMBER: 71-0007
YEAR:1971 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
COPPERMINE	6290	67 49.0	115 05.0	71 09 ?	CONTINUING		?	?	?	?	

WATER LEVEL DATA SET NUMBER: 71-0008
YEAR:1971 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
CAPE CAPEL	5600	75 04.0	98 14.0	71 08 01	71 09 30	?	60	?	?	OTT	
HAMILTON IS.	5615	74 12.0	99 10.0	71 08 ?	71 09 ?	15	60	?	?	OTT	

WATER LEVEL DATA SET NUMBER: 73-0007
YEAR:1973 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
BYAM CHANNEL	6833	75 01.0	106 22.0	73 08 01	73 08 31	?	60	?	?	?	
MAXWELL BAY	5530	74 41.0	88 54.0	73 08 01	74 09 30	?	60	?	?	?	

WATER LEVEL DATA SET NUMBER: 74-0015
YEAR:1974 VESSEL/AGENCY: B.C. RESEARCH

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
STRATHCONA SD.	5875	73 04.0	84 31.0	74 08 05	74 10 13	73	60	0	?	FOXB	

WATER LEVEL DATA SET NUMBER: 74-0017
YEAR:1974 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
FORT ROSS	5930	72 01.0	94 14.0	74 06 ?	74 11 ?	?	?	?	?	?	
FALSE STRAIT	6100	71 59.0	95 10.0	74 06 ?	74 11 ?	?	?	?	?	?	

WATER LEVEL DATA SET NUMBER: 75-0014
YEAR:1975 VESSEL/AGENCY: DREO

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P T C
FURY-HECLA STR		69 51.0	84 15.0	75 04 25	75 05 07	?	?	?	?	?	X

WATER LEVEL DATA SET NUMBER: 75-0015
YEAR: 1975 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
STRATHCONA SD.	5860	73	03.0	84	24.0	75	07	?	75	07	?	?	60	?	?	?			

WATER LEVEL DATA SET NUMBER: 76-0007
YEAR: 1976 VESSEL/AGENCY: DREP

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
FURY-HECLA STRAIT	1	69	51.5	84	21.5	76	04	20	76	05	26	37	?	?	?	OTT			
FURY-HECLA STRAIT	2	69	38.7	82	02.0	76	04	22	76	05	27	35	?	?	?	OTT			
FURY-HECLA STRAIT	3	69	58.9	84	17.5	76	04	23	76	05	26	33	?	?	?	OTT			
FURY-HECLA STRAIT	4	69	54.6	85	36.3	76	04	26	76	05	27	32	?	?	?	OTT			
FURY-HECLA STRAIT	5	69	49.0	82	49.5	76	04	26	76	05	27	30	?	?	?	OTT			
FURY-HECLA STRAIT	6	69	58.3	88	10.0	76	04	27	76	05	27	30	?	?	?	OTT			

WATER LEVEL DATA SET NUMBER: 76-0009
YEAR: 1976 VESSEL/AGENCY: GSC

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
CUNNINGHAM IN.	1	74	08.0	93	50.0	76	07	27	76	09	08	?	?	?	?	?	X		
CUNNINGHAM IN.	5910	74	08.0	93	53.0	76	08	01	76	09	30	?	60	?	?	?			
GULF BOOTHIA	5970	70	02.0	86	50.0	76	04	01	76	05	31	?	60	?	?	?			
ENTRANCE IS.	5350	69	54.0	85	36.0	76	04	01	76	05	31	?	60	?	?	?			

WATER LEVEL DATA SET NUMBER: 76-0013
YEAR: 1976 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
CAPE YOUNG	6315	68	54.0	116	51.0	76	07	30	76	09	09	?	15	5	5	TG3A	X		

WATER LEVEL DATA SET NUMBER: 77-0012
YEAR: 1977 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BYAM MARTIN IS		75	01.0	104	13.0	77	03	10	77	04	15	35	15	31	31	AAND	X		
PEEL POINT	5650	73	16.0	115	11.0	77	04	20	77	05	11	21	15	16	16	AAND	X		
CAPE BOUNTY		74	51.0	109	32.0	77	03	09	77	04	15	36	15	19	19	AAND	X		
STEFANSSON IS.	5630	73	46.0	105	37.0	77	03	10	77	03	21	41	15	21	21	AAND	X		
VISC. MEL. SD.		73	01.0	110	28.0	77	03	09	77	04	13	34	15	27	27	AAND	X		

WATER LEVEL DATA SET NUMBER: 77-0020
YEAR: 1977 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
READ ISLAND	6300	69	12.0	113	50.0	77	?	?	77	?	?	?	?	?	?	?			

WATER LEVEL DATA SET NUMBER: 77-0021
YEAR: 1977 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
CAPE YOUNG	6315	68	54.0	116	51.0	77	07	27	77	09	09	42	30	5	5	TG3A	X		
READ ISLAND	6305	69	12.5	113	50.0	77	07	26	77	09	10	42	30	8	8	TG2A	X		
BERNARD HARBOR	6311	68	46.5	114	44.3	77	07	28	77	09	10	42	30	8	8	TG2A	X		
BLACKBERRY IS.	6285	68	14.3	113	19.8	77	07	28	77	09	10	42	30	3	3	TG2A	X		
FALSE STRAIT	6100	71	58.0	95	10.0	77	08	07	77	08	08	2	?	?	?	?	X		
AUSTIN BAY	6284	68	30.0	113	10.0	77	08	23	77	09	02	363	?	?	?	OTT			

WATER LEVEL DATA SET NUMBER: 78-0003
YEAR: 1978 VESSEL/AGENCY: ASL

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BRIDPORT INLET	1	75	02.0	108	45.0	78	02	15	78	06	01	107	30	85	85	AAND	X	X	

WATER LEVEL DATA SET NUMBER: 78-0005E
YEAR:1978 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	 T	 C
LANCASTER SD.		74 31.0	82 23.0	78 08 21	79 06 16	?	40	14	14	AML	X	X	

WATER LEVEL DATA SET NUMBER: 78-0006
YEAR:1978 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	 T	 C
BRIDPORT INLET	1	75 00.0	108 54.0	78 08 21	78 10 10	50	15	25	25	TG4	X		

WATER LEVEL DATA SET NUMBER: 78-0007
YEAR:1978 VESSEL/AGENCY: CCIW

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	 T	 C
STEFANSSON IS.		73 45.0	105 01.0	78 03 12	78 04 18	?	15	25	25	AAND	X		
BYAM MARTIN IS		75 02.0	104 32.0	78 03 07	78 04 18	?	15	5	5	AAND			

WATER LEVEL DATA SET NUMBER: 79-0013
YEAR:1979 VESSEL/AGENCY: POLAR GAS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	 T	 C
M'CLURE STRAIT	1	73 29.50	115 10.17	79 02 26	79 03 28	28	?	75	75	AAND	X		

WATER LEVEL DATA SET NUMBER: 79-0014
YEAR:1979 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	 T	 C
BRIDPORT INLET	1	75 00.0	108 54.0	79 03 17	79 07 02	107	15	25	25	WLR5	X		

WATER LEVEL DATA SET NUMBER: 79-0016
YEAR: 1979 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
JENNY LIND IS.	6225	68	39.0	101	45.0	79	08	13	79	11	08	?	60	5	5	AAND	X	X	
HEPBURN ISLAND	6270	67	54.4	110	53.7	79	08	14	80	08	28	?	60	9	9	TG3A	X	X	
GLADMAN POINT	6210	68	39.3	97	44.4	79	08	15	80	08	11	?	60	5	5	AAND	X	X	
GJOA HAVEN	6170	68	37.6	95	53.0	79	08	15	80	08	15	?	60	9	9	AAND	X	X	
SPENCE BAY	6150	69	32.2	93	31.3	79	08	15	80	08	15	?	60	6	6	TG3A	X	X	
MCBEAN BAY	5920	72	38.0	89	38.0	79	04	14	79	06	08	?	15	15	15	TG3A	X	X	
WADWORTH IS.	6080	73	26.5	95	41.3	79	04	04	79	06	09	?	15	15	15	TG3A	X		
OTRICK IS.	6090	72	36.7	95	33.8	79	04	08	79	06	09	?	15	15	15	TG3A	X	X	
TASMANIA IS.	6110	71	12.7	96	25.0	79	04	10	79	06	09	?	15	15	15	TG3A	X		
COPPERMINE	6290	67	53.1	115	12.5	79	08	14	80	08	29	?	60	?	?	TG3A	X	X	
CAMBRIDGE BAY	6240	69	06.7	105	03.7	79	08	04	80	08	08	?	30	?	?	TG2A	X		

WATER LEVEL DATA SET NUMBER: 80-0009
YEAR: 1980 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BRIDPORT INLET	1	74	59.90	108	53.13	80	03	29	80	04	29	32	05	39	39	AAND	X		
BRIDPORT INLET	3	75	01.90	108	35.83	80	03	26	80	04	27	33	05	39	39	AAND	X		

WATER LEVEL DATA SET NUMBER: 80-0011A
YEAR: 1980 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
J. HALK. IS.		70	02.0	100	50.0	80	03	15	80	04	23	?	15	10	10	AAND	X		
CAPE FELIX		69	55.0	97	58.0	80	03	19	80	04	22	?	15	15	15	AAND	X		
CAPE STANG		71	28.0	104	12.0	80	03	17	80	04	24	?	15	20	20	AAND	X		
STEFANSSON IS.		73	24.0	104	20.0	80	03	17	80	04	23	38	15	30	30	AAND	X		
MINTO HEAD		73	06.0	102	15.0	80	03	17	80	04	23	?	15	20	20	AAND	X		
THACK. POINT		71	40.0	99	42.0	80	03	21	80	04	23	?	15	30	30	AAND	X		

WATER LEVEL DATA SET NUMBER: 80-0011B
YEAR: 1980 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
CAMBRIDGE BAY	6240	69	06.7	105	03.7	80	08	08	81	06	29	?	30	?	?	TG2A	X		

WATER LEVEL DATA SET NUMBER: 81-0007
YEAR:1981 VESSEL/AGENCY: CCIW

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BARROW STRAIT	306	73	41.6	96	49.0	81	03	11	81	04	24	?	?	40	?	?			
BARROW STRAIT	409	73	41.6	96	49.0	81	03	11	81	03	24	?	?	40	?	?			
BARROW STRAIT	308	73	41.6	96	49.0	81	03	11	81	04	24	?	?	110	?	?			
BARROW STRAIT	414	73	41.6	96	49.0	81	03	16	81	04	24	?	?	110	?	?			
BARROW STRAIT	307	74	41.6	95	48.2	81	03	14	81	04	22	?	?	20	?	?			
BARROW STRAIT	415	74	41.6	95	48.2	81	03	14	81	04	22	?	?	16	?	?			
BARROW STRAIT	309	74	41.6	95	48.2	81	03	14	81	04	22	?	?	85	?	?			
BARROW STRAIT	406	74	41.6	95	48.2	81	03	14	31	04	22	?	?	85	?	?			
BARROW STRAIT	307	74	36.2	94	02.8	81	04	25	82	04	25	?	?	22	?	?			

WATER LEVEL DATA SET NUMBER: 81-0008
YEAR:1981 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
LOWTHER ISLAND		74	38.0	97	20.0	81	03	08	81	04	24	?	15	20	20	AML	X		
ALLISON INLET	408	74	59.0	99	23.0	81	03	09	81	04	25	?	15	15	15	AAND	X		
CAPE BRIGGS	409	73	41.0	96	55.0	81	03	11	81	04	24	?	15	45	45	AAND	X		
CAPE BRIGGS	414	73	41.0	96	52.0	81	03	11	81	04	24	?	15	110	110	AAND	X		
CAPE WHITEHEAD		73	41.0	95	43.0	81	03	14	81	04	22	?	?	?	?	?			
CAMBRIDGE BAY	6240	69	06.7	105	03.7	81	09	02	82	08	21	?	30	?	?	TG3A	X		

WATER LEVEL DATA SET NUMBER: 82-0004
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
PR. WALES STR.	6405	72	15.	120	09.	82	03	29	82	05	01	?	15	?	?	AML	X		
PR. WALES STR.	1	72	14.1	120	12.8	82	04	09	83	06	?	?	30	17	17	AML	X		
PR. WALES STR.	2A	73	15.1	116	28.0	82	04	11	83	06	?	?	30	17	17	AML	X		
PR. WALES STR.	2B	73	15.1	116	28.0	82	04	11	83	06	?	?	30	17	17	AML	X		
PR. WALES STR.	3	73	05.5	116	22.5	82	04	10	83	05	29	?	30	17	17	AML	X		
M'CLURE STRAIT	8	74	28.2	113	46.0	82	03	07	82	06	21	?	15	?	?	TG12	X		
M'CLURE STRAIT	9	73	51.8	116	15.0	82	03	05	82	06	21	?	15	?	?	TG3A	X	X	
VISC. MEL. SD.	11	74	56.5	107	29.0	82	04	17	82	06	20	?	15	?	?	?			
VISC. MEL. SD.	12	73	44.6	106	20.8	82	04	18	82	06	20	?	15	?	?	?			

WATER LEVEL DATA SET NUMBER: 82-0006
YEAR:1982 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
COPPERMINE	6290	67	53.1	115	12.5	82	08	17	83	08	08	?	60	?	?	TG3A	X	X	
SPENCE BAY	6150	69	32	93	31	82	09	08	83	08	14	?	60	[illegible]	[illegible]	[illegible]	[illegible]		

CAMBRIDGE BAY	6240	69 06.7	105 03.7	82 08 21	83 08 15	?	60	?	?	TG3A	X	X	

WATER LEVEL DATA SET NUMBER: 83-0008
YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
BYAM MARTIN CH.	90	76 05.5	104 25.5	83 04 02	83 05 23	?	15	110	?	?		X	
BATHURST ISLAND	72	74 57.1	100 26.9	83 04 06	83 05 22	?	15	76	?	?		X	

WATER LEVEL DATA SET NUMBER: 83-0009
YEAR:1983 VESSEL/AGENCY: CCIW

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
BARROW STRAIT	42A	74 34.0	94 01.1	83 03 29	83 04 28	?	?	129	129	?	X		
BARROW STRAIT	44	74 24.1	93 54.1	83 03 31	83 04 28	?	?	158	158	?			
BARROW STRAIT	46A	74 13.1	93 45.5	83 03 29	83 04 27	?	?	162	162	?			

WATER LEVEL DATA SET NUMBER: 83-0016
YEAR:1983 VESSEL/AGENCY: NRC

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
BORDEN STATION	5840	73 43.4	81 31.0	83 04 17	83 06 14	58	15	?	5	TG3A			
BORDEN STATION	5840	73 43.4	81 31.0	83 11 19	84 05 21	?	30	?	5	WLR5			

WATER LEVEL DATA SET NUMBER: 83-0017A
YEAR:1983 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF LEN	DT MN	DEPTHS INSTR	DEPTHS WATER	INST TYPE	ADDIT SENSOR P	T	C
BELLOT STRAIT	65918	72 54.0	91 47.5	83 03 15	83 04 27	42	15	?	?	WLR5			
BELLOT STRAIT		71 58.	95 08.	83 03 20	83 04 29	39	?	?	?	?			
BELLOT STRAIT	65917	72 01.	94 20.	83 03 20	83 04 29	39	?	?	?	?			
PR. REGENT IN.	65912	73 17.	89 03.	83 03 18	83 05 01	44	?	?	?	?			
PR. REGENT IN.	65908	73 42.	87 52.	83 03 18	83 05 01	44	?	?	?	?			
PR. REGENT IN.	65906	73 49.	90 18.	83 03 18	83 05 01	44	?	?	?	?			

WATER LEVEL DATA SET NUMBER: 83-0017B
YEAR:1983 VESSEL/AGENCY: CHS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
COPPERMINE	6290	67	53.1	115	12.5	83	08	08	84	08	10	?	30	?	?	TG3A	X	X	
CAMBRIDGE BAY	6240	69	06.7	105	03.7	83	08	15	84	08	17	?	30	?	?	WLR5	X		
SPENCE BAY	6150	69	31.85	93	31.60	83	08	14	84	08	19	?	30	?	?	AML	X		
BAYCHIMO	6250	67	41.6	107	56.5	83	08	11	84	06	13	?	30	?	?	WLR5	X	X	

WATER LEVEL DATA SET NUMBER: 84-0050
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BYAM MARTIN	87	75	54.9	105	36.2	84	04	11	84	06	11	?	15	?	?	?		X	
WELLINGTON CH.	86	75	12.6	93	29.6	84	04	06	84	06	07	?	15	?	?	?		X	
BARROW STRAIT	42	74	34.2	94	01.2	84	04	26	85	04	13	?	60	?	?	?		X	
CORONATION G.	6280	68	35.3	111	21.0	84	?	?	85	?	?	?	?	?	?	?			

WATER LEVEL DATA SET NUMBER: 84-0051B
YEAR:1984 VESSEL/AGENCY: NRC

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
BORDEN STATION	5840	73	43.4	81	31.0	84	11	15	85	05	17	?	?	?	5	TC3A		X	

WATER LEVEL DATA SET NUMBER: 85-0034
YEAR:1985 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT		LON		START			STOP			EFF	DT	DEPTHS		INST	ADDIT SENSOR		
		DEG	MIN	DEG	MIN	YR	MO	DY	YR	MO	DY	LEN	MN	INSTR	WATER	TYPE	P	T	C
LANCASTER SOUND	17	73	38.40	077	56.30	85	03	05	85	04	26	52	30	14	14	WLR5	X	X	
NAVY BD. INLET	18	73	16.30	080	45.00	85	03	05	85	04	26	52	30	35	35	WLR5	X	X	
BARROW STRAIT	21	74	38.00	091	18.50	85	03	07	85	04	26	50	30	33	33	WLR5	X	X	
LANCASTER SOUND	23	74	29.40	086	08.80	85	03	06	85	04	26	51	30	34	34	WLR5	X	X	
LANCASTER SOUND	24	74	31.35	082	28.50	85	03	06	85	04	26	51	30	37	37	WLR5	X	X	

11.4 WAVE DATA

The listings contain the following information:

AREA	Area
STN	Station number; generally as assigned by the originating agency.
LAT, LONG	In degrees and minutes.
START/STOP	Year, month and day instrument recorded over.
EFF LEN	Effective record length in days.
DT (MN)	Sampling rate in minutes.
DEPTHS-INSTR/WATER	Instrument and water depth, in metres.
INSTR TYPE	Instrument type: 621 - SeaData 621 DWCM wave/current sensor 635 - Sea Data pressure recorder 635-9, -11 or -12 650 - SeaData pressure recorder 650B-7 WRDR - Datawell waverider WRIP - WRIPS w/internal Sea Data recorder WTRK - Endeco wave-track WVEC - WAVEC 750A - Applied Microsystems wave burst recorder
ADDIT SENSOR	Parameters measured qualified by : X - measurements of this parameter were made

Blank entries indicate unavailable or inapplicable data.
? signifies data which are either unknown or may be suspect; for example, a location which plots on land.

WAVE DATA SET NUMBER: 76-0008B
YEAR:1976 VESSEL/AGENCY: OSI

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
LANCASTER SD.		74 03.2	81 15.0	76 07 21	76 09 09	?	60	0	?	WRDR	

WAVE DATA SET NUMBER: 76-0011A
YEAR:1976 VESSEL/AGENCY: MEDS

AREA	STN	LAT	LON	START	STOP	EFF	DT	DEPTHS		INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN	MN	INSTR	WATER	TYPE	SENSOR P T C
BARROW STR.	086	74 37.0	92 20.0	76 08 16	76 08 20	?	?	0	46	WRDR	

APPENDIX 1

Remarks - Comments on methods and data quality by data-set number.

APPENDIX 1

DATA SET 1820-0002 CAPTAIN PARRY

Tide ranges were published in Captain Parry's "Journal of a Voyage for the Discovery of the Northwest Passage" (London, 1821). Analyses were done by the Coast and Geodetic Survey Office.

DATA SET 1848-0002 CAPTAIN ROSS

Tide data were obtained while the two British Ships ENTERPRISE and INVESTIGATOR over-wintered at Port Leopold. Forty-seven days of hourly sea-level data were obtained by reading a tide pole. The data were recently analyzed by MEDS personnel using contemporary methods (Bolduc, Taylor & Barber, 1984).

DATA SET 1859-0001 BRITISH VESSELS

Analyses of these data were made at the Coast and Geodetic Survey Office.

DATA SET 08-0001 ARCTIC ?

Captain Bernier overwintered has ship the ARCTIC at Winter Harbour on Melville Island's south coast, and it was probably he who had the water-level data collected.

DATA SET 10-0001 ARCTIC ?

Bernier and the ARCTIC overwintered in Arctic Bay and probably collected the water-level data.

DATA SET 15-0001 CANADIAN ARCTIC EXPEDITION

During the expedition, water level measurements were made at several places, two of which are in this study area (Dawson, 1920).

Bernard Harbour: The first observations in June 1915 were made with a registering tide gauge but the record was poor due to equipment malfunction. The best result is the Spring range near new moon on June 12. The second record in December was obtained by reading the scale to the hundredth of a foot (manually?).

Armstrong Point: While overwintering, water levels were measured to the nearest quarter inch (manually?) at short intervals both day and night.

A current meter was listed as being among the expedition's equipment; however, the paper by Dawson does not indicate what, if any, current measurements were made.

Grainger (1965) reports that zooplankton were collected by the Canadian Arctic Expedition, 1913-1918.

DATA SET 15-0002 CANADIAN ARCTIC EXPEDITION

R.M. Anderson, in charge of the southern division of the Canadian Arctic Expedition, 1913-1918, carried out scientific research in the area of Coronation Gulf (Cooke, 1981). It is probable that his party made the water level measurements.

DATA SET 28-0001 GODTHAAB EXPEDITION

Water samples were collected using both Knudsen and Nansen reversing water bottles (tinned inside and out), having reversing thermometers attached. The thermometers were allowed to equilibrate at depth for a least 5 minutes before being tripped. Water samples were drawn off for hydrogen ion, oxygen, and chlorine determination. Most titrations were done on board but some were carried out at the Hydrographical Laboratory in Copenhagen. Salinity was calculated using Knudsen's table (Riis-Carstensen, 1931).

Comparison of paired thermometer readings gave a value of 0.016C° for the mean of the mean deviations. No accuracy was given for salinity.

One Jacobsen libelle current meter and three Marx and Berndt current meters were taken on board. Two sets of current measurements were taken in Baffin Bay while the vessel was anchored; however, none were taken west of 80° longitude.

DATA SET 35-0001 ST. ROCHE

T/S data, as well as collections of biological material, were collected by personnel aboard the RCMP vessel ST. ROCHE while on patrol duty (Tully, 1952). Instruments were supplied by the Pacific Biological Station at Nanaimo. The data and samples were deposited with the Pacific Biological Station in 1938.

Temperatures were measured using reversing thermometers, while salinity was calculated (Knudsen's Tables) on the basis of specific gravities measured by hydrometers. Measurements were made of surface samples only.

DATA SET 37-0001 ST. ROCHE

See 35-0001

DATA SET 46-0001 NORTHWIND

The hydrographic samples were taken using Nansen sample bottles and reversing thermometers. Bathythermograph (BT) data were also collected. In addition, bottom sediment and plankton samples were collected (Metcalf, 1949).

Hydrographic samples were spread over the water column and the upper 100 m were therefore not sampled as densely as they would have been in more recent surveys. Metcalf (1949) does not specify accuracies for the T/S data.

DATA SET 48-0001 EASTWIND

Water mass: Nansen bottles and reversing thermometers were used as well as BTs. Samples were usually taken at 0, 25, 50, 75, 100, 150, 200, 300 and 400 feet. Tables of temperature, salinity and sigma-t are included at the end of Metcalf's (1949) report. He does not state any accuracies.

DATA SET 48-0002 US COAST & GEODETIC SURVEY

The actual time period and data quality were not available. Contact the National Ocean Survey in Maryland (301-443-8807) for further details.

DATA SET 49-0001 CANADIAN HYDROGRAPHIC SERVICE

These are the first water-level data taken at Resolute. In August 1957, a permanent water-level recording station was established here. For further details regarding these data, contact Mr. Fred Stephenson at Tides and Currents, IOS.

DATA SET 50-0002 EDISTO

Bottle casts and BTs were conducted. No accuracies are given in the data report (US Hydr. Office, 1954a). Water transparency and oxygen were also measured, along with bottom samples.

DATA SET 52-0003 EDISTO

Bottle casts for temperature, salinity and dissolved oxygen were conducted. Water transparency was also measured and bottom samples taken. No estimates of accuracy are given in the data report (US Hydr. Office, 1954a).

DATA SET 53-0001 BURTON ISLAND

Observations included temperature, salinity, oxygen, phosphate, silicate, bottom sediment, plankton, BTs and bi-plane current measurements. Temperature, salinity, sigma-t and dissolved oxygen values are tabulated in the report. No estimates of accuracy are given. Two sets of current observations are described (US Hydro. Office, 1954b, p. 256); a 9 hour and 16 hour record, both in Prince of Wales Strait.

DATA SET 53-0002 UNKNOWN

MEDS has a cruise No. 180053040 in their Canadian BT file, indicating BT data were obtained between July 9 and August 20 within the bounds of 74.03 - 79.3°N and 58.0 - 90.45°W. No further information has been found regarding this cruise, and no stations have been plotted or listed here.

DATA SET 54-0001 LABRADOR

Reversing bottles and thermometer, as well as BTs, were used. Titrations for salinity were made at the AOG lab. Bailey (1955) presents the data but does not report errors or accuracies.

DATA SET 54-0002 BURTON ISLAND

Unusually favourable ice conditions during the summer of 1954 allowed both the USS BURTON ISLAND and the USCGC NORTHWIND (54-0003) to take measurements in previously unsurveyed areas (US Navy Hydro. Office, 1956).

No estimates of accuracy for the temperature and salinity measurements were given in the above report. However, the data were found to compare favourably with those of previous years.

Apparently some current profile data were also collected.

DATA SET 54-0003 NORTHWIND

See comments for 54-0002.

DATA SET 54-0004 McGILL UNIVERSITY

T/S data were collected while marine animals were being sought (Ellis, 1956). The accuracy of the data suffered due to the lack of facilities. Temperatures were measured using reversing thermometers and were accurate to ±0.05C°. Salinity was determined by either silver nitrate titration, by hydrometer determination of specific gravity, or by both methods. Accuracy using titration was estimated at ±0.1°/₀₀; using the hydrometer, ±0.2°/₀₀.

DATA SET 56-0001 REQUISITE

Thirteen stations from this cruise were in the study area. Nansen bottles and reversing thermometers were used. Water samples were analyzed at the US Navy Hydrographic Office (US Navy Hydro. Office, 1960). The report includes listings only of T/S and density. Nineteen sets of Ekman current meter readings were also taken and bottom sediment samples were collected.

DATA SET 56-0002 WOODS HOLE OCEANOGRAPHIC INSTITUTE

While doing a biological study, T/S data were also collected (Apollonio, 1957). Temperatures were obtained by thrusting a stem thermometer into the bottle sample as soon as it reached the surface. Water samples were collected using either an Ekman bottle or a brass Kemmerer bottle. Salinity was based on specific gravity as measured by hydrometer. The paper does not provide dates of measurements.

DATA SET 56-0003 LABRADOR

Collin (1958) presents the 1956 LABRADOR results but does not discuss the techniques and accuracies achieved.

DATA SET 56-0004 CANADIAN HYDROGRAPHIC SERVICE

The water level gauge used to collect the data may have settled by as much as 0.4 feet during the period of data collection (file data, IOS).

DATA SET 57-0001 SPAR

The SPAR was one of three ships assigned to take measurements to help determine the feasibility of a deep-water shipping through the Northwest Passage. Nansen casts, BTs, current observations and bottom sediment were collected. The report (US Navy Hydr. Off., 1959) includes tables of T/S and sigma-t, as well as the Ekman current meter and BT results. The current meter stations were generally of short duration, except for one in Simpson Strait which spanned 12 hours.

DATA SET 57-0004 CANADIAN HYDROGRAPHIC SERVICE

As part of the International Geophysical Year, the Canadian Hydrographic Service established a tide station at Resolute. A gravel jetty was built out from shore and the tide station was constructed at the end of the jetty. Three gauges were installed initially: a Leopold and Stevens gauge, a Foxboro pressure gauge, and a Lege Remote gauge. For more detail, refer to Dohler (1958).

Since the initial deployment of these three gauges, various other instruments, including Aanderaa tide gauges, have been used at this site.

DATA SET 57-0005 CANADIAN HYDROGRAPHIC SERVICE

For further details, contact Mr. Fred Stephenson at Tides and Currents, IOS.

DATA SET 59-0002 STATEN ISLAND

Nansen bottles and paired reversing thermometers were used. The thermometers agreed to within 0.05C° and the two values were averaged. Salinity samples were analyzed with a conductivity bridge at NAVOCEANO about three months after they were collected. Salinities were plotted against depth and salinity values were accepted "on the basis of the constructed curves." No estimates of accuracy are given. Other measurements included bottom sediment and bathythermograph data.

DATA SET 59-0003 PACIFIC NAVAL LABORATORY

While conducting acoustic research, one oceanographic station was obtained using a hand-operated winch. No details of methods or accuracy are given (Milne, 1960).

DATA SET 59-0004 CANADIAN HYDROGRAPHIC SERVICE

These are the first water-level data from Spence Bay. In August 1969 a permanent tide gauge station was established here. For further details, contact Mr. Fred Stephenson at Tides and Currents, IOS.

DATA SET 60-0004 THETA, NATIONAL RESEARCH COUNCIL

Bottle casts were made at standard depths using Knudsen type reversing bottles fitted with Richter and Wiese thermometers. Salinity samples were stored in bottles with rubber washers and analyzed later using a conductivity salinometer at the Pacific Oceanographic Group (CODC, 1964).

DATA SET 60-0005 LABRADOR

Bottle casts used Knudsen type reversing bottles and Negretti and Zambra protected thermometers (one per bottle). Salinity samples were stored in glass bottles having rubber washers and were later analyzed at the Atlantic Oceanographic Group lab using a chemical titration technique (CODC, 1964). Plankton samples were forwarded to the Arctic Unit (Grainger, 1963).

Suspect data noted in above data report:

Station 20, temperature at 75 m missing; at 100 m suspect.
Station 21, no salinities above 150 m.
Station 23, temperature missing at 75 m.
Station 24, temperature missing at 65 m.
Station 25, temperature missing at 75 m.
Station 48, temperature missing at 200 m.
Station 55, salinities at 335 and 504 m suspect.

DATA SET 60-0006 CANADIAN HYDROGRAPHIC SERVICE

The water level measurements in Fury and Hecla Strait were probably taken as part of the BAFFIN cruise (60-0008).

DATA SET 60-0008 BAFFIN

Ekman current profiles were made over a 36-hour period; however, due to inadequate mooring, most of the data reflects ship motion. About 13 hours of good data resulted, along with measurements of tidal height, 60-0006 (CODC, 1964).

DATA SET 61-0003 SIR JOHN A. MACDONALD

CODC (1966a) notes the following data as suspect:

STATION	DEPTH	SUSPECT DATA
41	47	T
43	20	T
44	0	T
44	45	Depth
50	15,23,57	Depth
51	181	Depth
59	47	S
61	30	S

DATA SET 61-0004 LABRADOR

The CODC data report (1966a) notes the following data as suspect:

STATION	DEPTH	SUSPECT DATA
9	100	O_2
14	50,100	S
14	400	O_2
16	250,400,450	O_2
17	250,400,450	O_2
54	100	S

DATA SET 61-0005 POLAR CONTINENTAL SHELF PROJECT

No documentation regarding these data have been found.

DATA SET 62-0005 FISHERIES RESEARCH BOARD

Standard deviations (sigma) of the measurements were given as:

Temperature:	0.02
Salinity:	0.04

Measurement accuracy was estimated to be ±1 standard deviation for both temperature and salinity (CODC, 1963). The method of salinity determination was not stated.

62-0005A	No suspect data
62-0005B	Station 1 has temperature at surface only
62-0005C	Station 6 has no temperature data

DATA SET 62-0006 SIR JOHN A. MACDONALD

Data Quality: Barber and Huyer (1971) noted what they felt were suspect data:

STATION	DEPTH	
4	200	Density inversion; salinity changed to 33.308
4	250	Density inversion; salinity changed to 33.690
13	0	Density inversion; salinity changed to 29.690
13	10	Density inversion; salinity changed to 30.130
18	0	Density inversion; salinity deleted
58	0	Density inversion; salinity changed to 26.260
58	10	Density inversion; salinity changed to 26.700

DATA SET 62-0007 LABRADOR

No suspect data were noted in the CODC (1967) data report. Barber and Huyer (1971) used the data and felt a systematic error of up to $0.01^{\circ}/_{\circ\circ}$ could exist in the salinity values.

DATA SET 63-0004 SIR JOHN A. MACDONALD

No documentation has been found. The data are stored at MEDS.

DATA SET 64-0004 SIR JOHN A. MACDONALD

No documentation has been found. The data are stored at MEDS.

DATA SET 65-0003 NATIONAL RESEARCH COUNCIL

These data were collected at Stanwell-Fletcher Lake on Somerset Island. No documentation has been found; however, the data are stored at MEDS.

DATA SET 65-0004 FROZEN SEA RESEARCH GROUP

Temperature and salinity, at one location, were measured twice a month during the period 1965 to 1966 (Lewis and Walker, 1970). A thermistor winch (accuracy ±0.01C°) and a Hytech in-situ induction salinometer (accuracy $\pm 0.1^{\circ}/_{\circ\circ}$) were used.

The study was continued during February and March 1966 and February and March 1968. Salinities were obtained from water samples using a Hytech bench induction salinometer. Temperatures were measured with a thermistor winch (±0.01C°) and a thermistor chain (±0.01C° accuracy, ±0.002C° for a single time series). The February-March 1968 data consisted mainly of hourly recordings using the thermistor chain between February 18 and March 14.

DATA SET 66-0003 NATIONAL RESEARCH COUNCIL?

Temperature data were collected by an unknown Canadian agency, possibly NRC, in a program similar to that of 1965 (65-0003). The data are on file at MEDS (#180766002), but were not plotted here.

DATA SET 66-0004 *EDISTO*

Teflon-lined Nansen bottles were used. Temperatures were measured with paired protected deep-sea reversing thermometers. The measured temperatures are believed (Palfrey and Day, 1968) to be accurate to ±0.01C°. Depth of observation was based on wire angle and unprotected thermometers readings. Water sample salinity was measured with an RS-7A inductive salinometer (manufactured by Industrial Instruments Corp.). Salinities were considered precise to ±0.005‰ and accurate to ±0.01‰. The accuracy is probably no better than ±0.02‰ considering calibration/standardization problems of the time.

DATA SET 66-0006 NATIONAL RESEARCH COUNCIL?

No documentation has been found, although the data are on file at MEDS.

DATA SET 67-0002 *LABRADOR*

Missing or suspect data in the data report (CODC, 1968):

Station 1: No temperature at 0 m; no salinity at 200 m.
Station 58: No temperature at 0 m.
Station 61: No temperature at 0 m.

The data report specifies error estimates for most of the temperature and salinity values of 2 sigma where sigma is the standard deviation; however, sigma is not specified in the report. This does indicate overall reduced accuracy though, since in these reports the error estimates are usually ±1 sigma.

Reversing bottles and thermometers were used at all stations. At eight of these stations an "in situ" salinometer was lowered for comparison. The "in situ" data were 0.04C° colder on average and 0.13‰ more saline than the bottle data.

DATA SET 68-0001 *LABRADOR*

Reversing water bottles and thermometers were used (Herlinveaux, 1970). Each cast was followed by a BT. Salinity was determined with a conductivity salinometer. The data are presented as listings.

Dissolved oxygen was also measured and biological samples were collected using the submersible *PISCES*.

DATA SET 68-0002 BEDFORD INSTITUTE OF OCEANOGRAPHY

No mention of the methods used in determining temperature and salinity is provided by Lewis and Walker (1970).

DATA SET 69-0003 CANADIAN HYDROGRAPHIC SERVICE

A permanent tide station was established at Spence Bay in 1969. From August 1969 to July 1972, an Ott recorder was used. This was replaced with a Stevens A71 in 1972 and more recently, submersible pressure gauges have been used. For further details, contact Mr. Fred Stephenson at Tides and Currents, IOS.

DATA SET 70-0006 *WESTWIND*, UNIVERSITY OF WASHINGTON

Temperature and salinity were measured using a Bissett-Berman Model 9060 salinity/temperature/depth recording unit. The STD was checked with water samples from Nansen casts and the agreement was always within the specified accuracy/resolution of the instrument (±0.05/±0.02°/oo salinity; ±0.05/±0.05C° temperature) (USCG, 1972).

DATA SET 70-0073 MACINNIS FOUNDATION

Scuba dives were made in Resolute and Allen Bays during August and in Resolute Bay during February. The project was designed to study Arctic diving equipment and human performance. Water temperatures were measured, however no details on method, depth, etc., were provided (MacInnis, 1971). A nominal location of 74°41'N 94°52'W for Resolute Bay has been used for this inventory.

DATA SET 71-0006 INSTITUTE OF OCEAN SCIENCES

T/S data collected during periods Sept. 8 - Oct. 29, 1971
Nov. 29 - Dec. 5, 1971
Feb. 15 - 26, 1972
Apr. 8 - 15, 1972

All data were collected at one location, the deepest part of Cambridge Bay.

Guildline Model 8101A CTDs were used, accompanied by water samples. Accuracies vary and are included with the data tabulations. Typically they were ±0.02-0.05°/oo and ±0.005C° (IOS, 1973).

DATA SET 71-0007 CANADIAN HYDROGRAPHIC SERVICE

A permanent tide station was established at Coppermine in 1971. From September 1971 to July 1972 an Ott recorder was used. This was replaced with a Stevens A71 in 1972, and more recently, submersible pressure gauges have been used. For further details, contact Mr. Fred Stephenson at Tides and Currents, IOS.

DATA SET 72-0011 *LOUIS S. ST. LAURENT*

Seven oceanographic stations were occupied during the period September 24-29 using Knudsen bottles and reversing thermometers (Herlinveaux and Wilson, 1974). Salinity was measured with an inductive type salinometer. No accuracy estimates given in the report. Seven current profiles were made, also 18 hours of surface current speed and direction were measured while at anchor off Assistance Bay.

DATA SET 72-0017 BEDFORD INSTITUTE OF OCEANOGRAPHY

The primary objective of these studies was to sample the distribution of particulate petroleum residues on the surface of the North Atlantic. Simultaneous temperature data were also obtained. Although not stated (Levy & Moffatt, 1975), probably a bucket and hand-held thermometer were used, as sampling was conducted while the ship was underway.

DATA SET 72-0119 MACINNIS FOUNDATION

This was the third Arctic diving expedition by the MacInnis Foundation (see also 70-0073). As in the first two expeditions, it is believed that water temperatures were measured; however, they are not discussed in the expedition report (Andersen, 1973).

DATA SET 73-0005 LOUIS S. ST. LAURENT

Codispoti and Owens (1975) mention only that temperature and salinity were measured using standard techniques.

DATA SET 73-0006 INSTITUTE OF OCEAN SCIENCES

Water Mass: A Guildline CTD (accurate to ±0.02C° and ±0.04 ‰ as stated by manufacturer) was used, and checks were made with bottle casts and reversing thermometers. Twenty-four casts were made at Station 1 over a three day period; then one cast at each of Stations 2 through 6. Listings and plots are included in the report (Herlinveaux et al., 1978).

Currents: An Aanderaa RCM-4 current meter was moored at a depth of 153 m (2 m above bottom). Direction orientation was provided by a magnet on the frame the meter was attached to. Timing mechanism failure reduced the useable record length to about 6 days. Twenty-seven current profiles were made at Station 1 between April 15-19. A torsionally-rigid hose maintained direction orientation.

DATA SET 73-0008 SIR WILLIAM ALEXANDER

This represents the second phase (the first being 73-0006) of an oceanographic survey of Barrow Strait and Wellington Channel. A Guildline 8101 Arctic probe CTD unit and a Hydro Products Savonius rotor current meter were used. Repeated CTD casts were made while the ship was at anchor (Herlinveaux et al., in preparation).

DATA SET 73-0009A BEDFORD INSTITUTE OF OCEANOGRAPHY

See 72-0017

DATA SET 74-0012 GEOLOGICAL SURVEY OF CANADA

Salinity and temperature data were collected from June-September; however, only a brief discussion of the results is presented in the report (Taylor, 1975). There were no actual tabulations or plots. Tidal current measurements were also collected using drogues at various depths.

DATA SET 74-0013 HUDSON, BEDFORD INSTITUTE OF OCEANOGRAPHY

The current meter data are stored as raw data on tape at BIO. The location of Station 138 was estimated from Figure 6 of Thomson, Woods & Acreman (1975). An unspecified STD was used. See 72-0017 for surface temperature discussion.

DATA SET 74-0014 MCGILL UNIVERSITY

The period of study 74-0014A was May 8-16, 1974 (Thomson et al., 1975). Water samples were taken using Knudsen bottles for temperature and salinity measurements (Station 1 and 2, Figure II). Salinity was then determined to an accuracy of 0.5 ±0.25‰ using a hand refractometer. The data are presented as profiles of temperature and salinity, Figure 2. Station 1 (May 8) shows no salinity structure and is suspect. T/S data were also presented for Cunningham Inlet. The 74-0014B sampling period covered August 14-27, but T/S data are presented for August 25 only (Figure 9). A nominal location of 74°05'N, 93°45'W was used for this inventory. No details regarding instrumentation were provided.

DATA SET 74-0015 BC RESEARCH

BC Research carried out an oceanographic survey of Strathcona Sound between August 5 and August 25, 1975. (BC Research, 1975). The study for Strathcona Mineral Services was designed to study the biological and physical characteristics of the sound, prior to the development of the mine.

A 35-foot lobster boat was used, with station locations determined by land marks and depth soundings. Water samples were collected using a "Kurt Gohla" water sampler. Conductivity, temperature, and dissolved oxygen profiles were obtained using an Inter Oceans CTD (Model 513-A probe, with 514-A deck read-out unit). Current profiles were made using a Bendix Q9, and water level data were collected using a Foxboro Model 40 recorder.

The CTD salinity circuit was faulty and salinities were determined from the Aanderaa charts, using the measured conductivity and temperature values.

Station locations have been estimated (to the nearest 0.5 degree) from Figure 6 of BC Research (1975).

DATA SET 74-0017 CANADIAN HYDROGRAPHIC SERVICE

Data are on file at IOS. Contact Mr. Fred Stephenson at Tides and Currents, IOS.

DATA SET 74-0127 MACINNIS FOUNDATION

As in 1970 and 1972, water temperature data were collected while under-ice diving operations were conducted. The 1974 program concentrated on the marine ecology under 100% ice cover. No report of these data has yet been found.

DATA SET 75-0013 LGL LTD. FOR POLAR GAS

Temperatures were measured using reversing thermometers; accuracy ±0.05C°. Salinity was determined using a refractometer; accuracy $\pm 0.5{}^{\circ}/_{\circ\circ}$. T/S data are tabulated in Tables 3 (p. 23) and 26 (p. 89) (Serkerak, Thomson, Bain & Acreman, 1976)

DATA SET 75-0014 DEFENCE RESEARCH ESTABLISHMENT OTTAWA

A report by Serson (1976) could not be obtained in time to be included here.

Sadler et al. (1979, p.14) state that Serson spent several weeks observing currents, water structure, ice conditions and tides in the spring of 1976 (suspect this was 1975). This was in preparation for the main study of 1976 (ID 76-0007).

DATA SET 75-0015 CANADIAN HYDROGRAPHIC SERVICE

Data are on file at IOS. Contact Mr. Fred Stephenson at Tides and Currents, IOS. Exact dates of measurements were not clear.

DATA SET 75-0031 BC RESEARCH

In March, salinity, temperature and pH data were obtained at three stations. A current meter was also lowered at each station. Also three current meters were moored just below the ice, and recovered in May-June. In August, O_2, pH, and salinity were measured at three locations, and current meters were suspended for two weeks.

Walker (1977) discusses these data briefly, but no details regarding instrumentation and accuracy have yet been found. Three station locations identified by Walker are "hole", "sill" and "outside sill." No further information on dates or locations was available and the data have not been listed or plotted in this inventory.

DATA SET 76-0007 DEFENCE RESEARCH ESTABLISHMENT PACIFIC

Current Measurements: 14 current meters/4 stations, in a line running north-south across Fury and Hecla Strait. The meters at 5 and 9 m depths were Marsh-McBirney electromagnetic current meters. They were mounted on rigid pipe and oriented from the surface. Estimated accuracy is given as ±2 cm/s. The lower meters were Braincon, vane type meters, with direction accuracy given as ±10 degrees and speed accuracy of ±4 to 15% of the speed. Of the 14 current meters, 5 full records and 8 useful partial records were obtained. The data are presented as daily mean stick plots, progressive vector diagrams, and time series of velocity components.

Water Mass Measurements: A Guildline Mark II CTD was used with paper chart output. Calibration problems delayed the conductivity results (to be published later), and only temperature data are presented (Sadler et al., 1979), accurate to ±0.01C°. Knudsen bottle samples were also collected.

Tide Measurements: Water-level observations were made at 6 locations. Ott tide gauges were mounted on floating ice. All 6 instruments functioned properly and gave full records.

Other measurements included six Braincon recording thermographs (±0.1C°) used with the current meter arrays to identify gross changes in temperature structure.

DATA SET 76-0008A *THETA*, LGL FOR NORLANDS

This study concentrated on biological measurements but included T/S and dissolved oxygen data as well. Temperature profiles to 260 m were obtained with a bathythermograph. Reversing thermometers were also used exclusively between August 16-22. Water samples were collected in 1.2 litre Nansen bottles, and salinity was measured with a hand-held refractometer. Replicate readings agreed to within ±0.5°/oo; however, due to increasing salinity of the calibration water, measurements in the latter part of the study could have been underestimated by up to 0.5°/oo.

The data are presented in tables as well as profile plots (Sekerak, Buchanan, Griffiths & Foy, 1976).

DATA SET 76-0008B OCEANOGRAPHIC SERVICES INC. FOR NORLANDS

Wave data in central Lancaster Sound were obtained using a Datawell Waverider buoy. The buoy was moored from July 21-August 17 then allowed to drift from August 27-September 9 (OSI, 1976). Data between July 26 and August 3 are intermittent due to instrument malfunction, and some of the latter free-drifting data are from visual observation only. An array of current meters was also deployed at the same site. It was not recovered that year, but subsequently portions of the mooring including one current meter were recovered. The data were processed (Fissel, pers. comm.) but were of low quality.

DATA SET 76-0009 GEOLOGICAL SURVEY CANADA

Temperature and salinity were measured with a CTD manufactured by Yellow Springs Instruments Co. Data are discussed, but no tables or plots are included in the report (Morison & Taylor, 1978). No estimates of accuracies are given.

Other measurements included tide data, soundings, and suspended sediment measurements.

DATA SET 76-0010 LGL LTD. FOR POLAR GAS

Water samples were collected using 1.7 litre Niskin bottles. Temperature was measured with reversing thermometers; accuracy ±0.05C°. Salinity was measured with a refractometer; accuracy ±0.5. Data are presented in tabular form (Table 1, p. 201) and as T/S profiles (p. 34-35) (Bain et al., 1977).

DATA SET 76-0011A HUDSON, BEDFORD INSTITUTE OF OCEANOGRAPHY

This criuse was geophysics oriented, but a CTD and Knudsen casts were used to collect data in Lancaster Sound. The report (BIO, 1976) does not provide details on the methods used, only station positions.

Four days of Waverider data were also collected.

DATA SET 77-0011 MCGILL UNIVERSITY

Personal communication with Dr. Pounder, Marine Sciences Centre, McGill Uhniversity, Montreal. The data are not yet out in a report. All data were taken at one site, between approximately May 6-29. A Bisset Berman CTD and Interocean current meter were used. About 40 time series records of 1 hour duration were also taken at a depth of 1 m using an ultrasonic current meter (Langleben, 1982).

DATA SET 77-0012 CANADIAN CENTRE FOR INLAND WATERS

Water Mass Measurements: A Guildline Mark IV CTD was used with T/S accuracies estimated to be ±0.01C° and ±0.01°/ₒₒ. The data are presented as tables and profile plots (Peck, 1977 and 1978).

Current Measurements: Six Geodyne (savonius rotor) current meters were recovered. Five to six week records were obtained from all but two of the meters; one stopped recording after 10 days, the other never worked at all. The meters were oriented at surface with rigid hose connections. The data were analyzed for tidal constituents and spectral energy. Tabulated data and profiles are included in the reports.

Water Level Measurements: The Hydrographic Service installed two Aanderaa submersible tide gauges during the same period. Results of the tidal analysis are also included in Peck (1978).

DATA SET 77-0013 ARCTIC SCIENCES LTD. FOR INSTITUTE OF OCEAN SCIENCES

Nine Aanderaa current meters were recovered from three moorings. Accuracies as supplied by the manufacturer were: ±0.15C° in temperature, and 1 cm/s or 2% of speed. Directional accuracy were felt to be typically ±10°, up to 20° maximum. Time series plots, statistics, power spectra and progressive vector diagrams are presented in Fissel and Wilton (1978). The data are at the Institute of Ocean Sciences, Sidney, BC, on tape in GF-3 format.

DATA SET 77-0014 HUDSON, BEDFORD INSTITUTE OF OCEANOGRAPHY

Most water column samples were collected with 5 litre Niskin bottles mounted on a rosette package which included a CTD and oxygen sensors. Biological productivity, nutrients, hydrocarbons, and chlorophyll were also measured. No information on cast depth or water depth was available (BIO, 1977).

DATA SET 77-0015 LGL FOR POLAR GAS

1977 field measurements included (Thomson et al., 1978):

Temperature: Reversing thermometer (water column) ±0.05C° accuracy. YSI probe (intertidal), accuracy ±0.5C°.

Salinity: American Optical refractometer (Spring), ±0.5°/oo; Hytech Induction Salinometer Model 622, (Summer water column August 24-September 4) ±0.01°/oo; YSI probe (intertidal), ±1.0°/oo.

T/S measurements were taken in May and on September 2, 1977. The September 2 T/S data are in Table 5 (p. 25) of the above report; however, the May T/S data could not be found except as a brief summary paragraph on p. 24. Water samples were taken using 1.7 litre Niskin bottles. Other measurements included: phytoplankton, nitrates, phosphates, silicates, chlorophyll, zooplankton and other flora and fauna.

DATA SET 77-0016 LGL FOR PETRO-CANADA

The period of study was June 9-14 and August 2-31, 1977. A YSI temperature probe was used for some measurements but was found to be unreliable. Thereafter, reversing thermometers (accurate to ±0.05C°) were used. Salinity was measured using either a YSI probe (±1°/oo), an Endeco hand-held refractometer/salinometer (±0.5°/oo), or a Hytech Induction Salinometer (±0.01°/oo). T/S data are presented as profile plots (p. 31-37) (Buchanan et al., 1977).

DATA SET 77-0017 BEDFORD INSTITUTE OF OCEANOGRAPHY

Record of current meter mooring on the BIO computer, but no documentation found.

DATA SET 77-0018 ARCTIC SCIENCES LTD. FOR INSTITUTE OF OCEAN SCIENCES

Nine satellite tracked drogued drifters were tracked in eastern Parry Channel. Positional accuracy was estimated to be ±5 km (Fissel and Marko, 1978).

DATA SET 77-0020 INSTITUTE OF OCEAN SCIENCES

Data are available from the Institute of Ocean Sciences, Sidney, B.C. (Tides and Currents section).

The water level station (#6300) looks suspiciously similar to #6305 of data set 77-0021. They may be one and the same.

DATA SET 78-0003 PHOENIX VENTURES FOR PETRO-CANADA

Water Mass Measurements: A Guildline Model 8705 CTD was used. Water samples were collected with Nansen bottles. The two methods agree to ±0.03°/oo; however, some question of the data quality arose in the report because the salinities of the deep waters were 0.35°/oo higher than those measured by two other groups (Greisman, 1978). Greisman believed his higher salinities to be in error.

The CTD data are presented as profile plots; no listings.

Currents Measurements: Four Aanderaa current meters were deployed through the ice and recovered. Three were mounted at 12 m depth via rigid pipes, the fourth was at 60 m. Only the ones at 12 m provided directional information. Precision of the measurements is given as ±0.27 cm/s for speed, ±0.023C° for temperature. Direction is ±5° depending on the accuracy of orientation. The data are presented as speed and direction histograms, progressive vector diagrams, and power spectra plots. Three of the records were also subjected to tidal analysis.

Water Level Measurements: Two Aanderaa submersible tide gauges were deployed; one was recovered. It recorded pressure and temperature with accuracies of ±3 cm and ±0.5C°.

DATA SET 78-0004 MCGILL UNIVERSITY

Personal communication with Dr. Pounder, Marine Sciences Centre, McGill University, Montreal.

The CTD and current meter data have not been processed yet; therefore, no information on data recovery and/or accuracy is available.

DATA SET 78-0005 ARCTIC SCIENCES LTD. FOR PETRO-CANADA

Temperature/salinity measurements were made using a Guildline Model 8706 CTD. Manufacturer's specifications for accuracy are salinity ±0.005‰, temperature ±0.005C°, and pressure ±0.15% full scale. These more truly reflect the resolution of the instrument.

No major problems occurred with the 1978 data and the salinity accuracy is believed to be ±0.02‰, precise to ±0.005‰. The results are presented as listings and profile plots (Lemon, 1980).

All current meters were subsurface moored, Aanderaa RCM-4 current meters. Fourteen moorings, involving 43 current meters were deployed and recovered in 1978. Five moorings which were redeployed over winter were recovered in the spring. Directional accuracy of the vane sensors was generally ±10 to 20 degrees. Temperature and equivalent salinity accuracies were estimated to be ±0.05C° and 0.15‰. The speed measurements are accurate to ±1 cm/s, or ±2% of the speed, whichever is greater (manufacturer's specifications).

Current profiles in 1978 were made using an Endeco type 110 profiling current meter, to depths of 50 m. Direction accuracy was about ±30 degrees. Speed uncertainty was estimated to be ±12 cm/s relative to ship motion. Absolute speed was calculated for stations within 6 miles of land only. Speed, direction and temperature are presented in tabular and plot form (Fissel and Birch, 1980), but station locations have not been plotted here.

Drogued drifters were released in 1978 as part of the EAMES program. In 1978, 13 of the drifters entered the area of this data compilation. The report (Fissel, 1980a) lists positions, velocities and includes track plots. Position accuracy was about ±2 km.

An Applied Microsystems TG-12A provided a 263-day subsurface pressure and temperature record. The internal electronics partially malfunctioned, necessitating interpolative error correction processing. The corrected water level record was felt to be accurate to ±1 cm. The data were subjected to a tidal analysis and a 6-month tide height prediction was also produced (Birch, 1980b).

DATA SET 78-0006 INSTITUTE OF OCEAN SCIENCES

Water Mass Measurements: An Aanderaa RCM-4 was used to measure temperature and conductivity. It was modified to improve the T/S resolution in the range desired. The relevant characteristics were:

	RESOLUTION	ACCURACY
Conductivity	0.008	±0.01 mmho/cm
Temperature	0.005	±0.01C°
Pressure	0.76 kg/cm^2	5% of reading

Salinities were adjusted to agree with water sample salinities as measured by a Hytech salinometer (Lake, 1978). The data are presented as listings and profile plots.

Water Level Measurements: Two Aanderaa TG-4 tide gauges were installed. Other parameters measured were: dissolved oxygen, temperature (thermistor chain), weather, and ice motion (time lapse photography).

DATA SET 78-0007 CANADIAN CENTRE FOR INLAND WATERS

Water Mass Measurements: In Prinsenberg, Vol. 1 (1978). A Guildline Mark IV CTD was used. The data are presented as listings and profile plots. Fourteen Aanderaa RCM-4's were also deployed through the ice. Directional orientation was provided through rigid coupling to surface.

DATA SET 79-0011 ARCTIC SCIENCES LTD. FOR PETRO-CANADA

Temperature/salinity measurements were made using a Guildline Model 8706 CTD. Manufacturer's specifications for accuracy are salinity ±0.005°/oo, temperature ±0.005C°, and pressure ±0.15% full scale; these are more likely the resolution of the instrument.

The 1979 CTD salinities differed from water sample salinities by about 0.25°/oo and corrections were made. The 1979 accuracies are believed to be ±0.02°/oo on casts where water samples were taken, ±0.04°/oo otherwise. The results are presented as listings and profile plots (Lemon, 1980).

All current meters were subsurface moored, Aanderaa RCM-4 current meters. In 1979, 18 moorings and 54 current meters were successfully recovered. Directional accuracy of the vane sensors was generally ±10 to 20 degrees. Temperature and equivalent salinity accuracies were estimated to be ±0.05C° and 0.15°/oo. The speed measurements are accurate to ±1 cm/s, or ±2% of the speed, whichever is greater (manufacturer's specifications).

Drogued drifters were released in 1979 as part of the EAMES program. The report (Fissel, 1980a) lists positions, velocities and includes track plots. An improved satellite system in 1979 produced position accuracy of about ±1.2 km.

Current profiles in 1979 were made using an Endeco type 110 profiling current meter, to depths of 50 m. Direction accuracy was about ±30 degrees. Speed uncertainty was estimated to be ±12 cm/s relative to ship motion. Absolute speed was calculated for stations within 6 miles of land only. Speed, direction and temperature are presented in tabular and plot form (Fissel and Birch, 1980); the stations are not plotted in this inventory.

DATA SET 79-0012 DOBROCKY SEATECH LIMITED

Five current meter moorings, with two Aanderaa RCM-4's at each site, were installed and recovered. Accuracies were assumed to fall within the manufacturer's specifications. Temperature and conductivity sensors were also used. The data are presented as time series plots, histograms and stick plots (Kashino, 1979).

DATA SET 79-0013 POLAR GAS

Five moorings, with three Aanderaa RCM-4 current meters each, were installed. Two current meters could not be recovered and one did not operate. Only at the upper meters, which were rigidly connected to the surface, could current direction be measured. Accuracies were not given (Polar Gas Project, 1979). The data are presented as speed and direction histograms, some of which are in error apparently due to mistakes in transferring the numbers from the original data. Dobrocky Seatech (Sidney, BC) should be contacted before using the histogram results. A tide gauge was also installed and recovered. Only a time series plot of water level is presented.

DATA SET 79-0014 INSTITUTE OF OCEAN SCIENCES

Water Mass Measurements: A Guildline Model 8101A CTD was used. The CTD is able to resolve temperature and salinity to ±0.002C° and ±0.005°/$_{oo}$; however, the accuracy depends on the salinity determinations of the collected water samples and the adjustments made to the CTD results. Some of the data were not as accurate due to ice in the cell. The data are presented as listings and profile plots (Lake, 1979).

Water Level Measurements: One Aanderaa tide gauge record was obtained between March and July 1979. Plots and analyses are presented in the report. Dissolved oxygen was also determined from water samples and profiles are in the report.

A conductivity-temperature chain (0.01C° and 0.01°/$_{oo}$ resolution) was also moored twice. The stability of some of the sensors is under question, but internal wave motion was recorded.

Current Measurements: Six Aanderaa RCM-4 current meters were deployed and recovered. The meters recorded speed, direction, temperature, and conductivity. Statistics, time series, plots, progressive vector diagrams, and stick plots are presented in the report. As well, tidal stream analyses were conducted.

DATA SET 79-0015 ARCTIC SCIENCES LTD. FOR PETRO-CANADA

An Applied Microsystems CTD-12 was used in this study. Instrument problems reduced the salinity accuracy to ±0.2°/$_{oo}$. Temperature and pressure were accurate to ±0.02C° and ±0.25 m. The data are presented as listings and profile plots (Birch, 1980a). Surface dirfters were also tracked within 6 km of shore.

DATA SET 80-0007 *HUDSON*, BEDFORD INSTITUTE OF OCEANOGRAPHY

A Guildline 8770 CTD was used. Profiling current meter and BATFISH tows were also completed. The cruise was biologically oriented and included the usual measurements of nutrients, and plankton. No data reports were available at the time of writing.

DATA SET 80-0008 ARCTIC SCIENCES LTD. FOR PETRO-CANADA

This study was concentrated east of Devon Island; however, drogued drifters followed the Baffin Current into eastern Lancaster Sound. The report (Fissel and Birch, 1981) lists positions and velocities, and includes trajectory plots.

DATA SET 80-0009 INSTITUTE OF OCEAN SCIENCES

Information was supplied by R.A. Lake of the Frozen Sea Research Group, Institute of Ocean Sciences, Sidney, BC.

A Guildline CTD and Aanderaa current meters were used. Dissolved oxygen was also measured. Forty-three profiles were made using an ultrasonic current meter. No data report was available at the time of writing.

DATA SET 80-0011A CANADIAN HYDROGRAPHIC SERVICE

The data are available from the Canadian Hydrographic Service, Bayfield Laboratory for Marine Science and Surveys.

DATA SET 81-0007 CANADIAN CENTRE FOR INLAND WATERS

Water Mass: A Guildline CTD MK IV was used. The data processing had only reached Field Report (Brooks, 1981) stage; no problems in the data had arisen to that point.

Current Measurements: Twelve Aanderaa RCM-4 current meters were deployed and recovered. Two instruments provided partial data return.

Two moorings with three current meters each were deployed in April 1981 to be recovered a year later. Both moorings were found in late April, 1982 at a considerable distance to the east of where they had been deployed. One mooring was recovered, the other was located but could not be reached by divers. The record indicates the moorings probably shifted during a storm on December 29 and the records are probably good to that point. Further attempts were to be made to recover the other mooring.

Current Profiles: A new current profiler with a gyrocompass was used to automatically measure the current speed and direction, as well as temperature and conductivity, for periods up to 27 hours. The instruments worked well and provided much valuable data.

Other measurements included phytoplankton and nutrient samples, net hauls and ice bottom scrapings.

DATA SET 81-0008 CANADIAN HYDROGRAPHIC SERVICE

The data are available from the Canadian Hydrographic Service, Bayfield Laboratory for Marine Science and Surveys.

DATA SET 82-0002 CANADIAN CENTRE FOR INLAND WATERS

The CTD data are presented in Prinsenberg and Sosnoski (1983b); however, the report on the current and water level data has not been obtained.

DATA SET 82-0003 ARCTIC SCIENCES LTD. FOR INSTITUTE OF OCEAN SCIENCES

A Twin-Otter aircraft was used to land on the ice to make CTD profiles, throughout the Archipelago. A similar survey was also conducted the following year (83-0010). Station positions were determined using the GNS-500 VLF/Omega navigation system on the aircraft.

Care was taken to calibrate and correct for any known errors in the CTD data (Fissel, Knight & Birch, 1984).

DATA SET 82-0004 INSTITUTE OF OCEAN SCIENCES

This study in Prince of Wales Strait and Viscount Melville Sound, includes T/S, current and pressure measurements, to collaborate with data sets 82-0002 and 82-0003. The dates of the water level data are estimates, although they are believed to be about 15 months duration.

DATA SET 82-0005 MCGILL UNIVERSITY

McGill personnel were to continue the occupation of Station 46 (Barrow Strait) after CCIW left (82-0002). They were to measure currents with both an Aanderaa and an ultrasonic current meter. Contact Dr. Pounder at McGill for further details.

DATA SET 82-0120 ARCTIC LABORATORIES LTD.

This study was conducted to obtain information on sources of Zn, Cd, and Pb into Strathcona Sound. Bottle samples were also analyzed for salinity using a Guildline 8400 Autosal salinometer, standardized using Standard Sea Water P79.

DATA SET 83-0008 INSTITUTE OF OCEAN SCIENCES

This was the second of a comprehensive 3-year oceanographic survey of the Northwest Passage (see also 82-0004 and 84-0050). The data are still being analyzed; contact Dr. H. Melling at IOS for further details.

DATA SET 83-0009 CANADIAN CENTRE FOR INLAND WATERS

The CTD data are reported in Prinsenberg and Sosnoski (1983c).

No report of the current or water-level data has yet been seen. Two current-meter moorings were to have been recovered in 1984, but it is not known if this was successful.

DATA SET 83-0010 ARCTIC SCIENCES LTD. FOR INSTITUTE OF OCEAN SCIENCES

As in 1982 (82-0003), an aircraft-based CTD survey of the Archipelago was made. Careful attention to instrumentation calibration and accuracy was observed (Fissel, Lemon, & Knight, 1984).

DATA SET 83-0016 NATIONAL RESEARCH COUNCIL

NRC was in charge of a project to study ice loads on structures at Adams Island during 1982-1985. DFO, C-CORE and Arctic Research Lab. were involved in the collection and processing of the current and water-level data.

In 1983 current data were collected between April 16 and June 11 then overwinter November 23 - May 18. The results are summarized in Frederking, Maxwell and Prinsenberg (1986).

DATA SET 83-0017A CANADIAN CENTRE FOR INLAND WATERS

Six water-level stations were operated in 1983 in Prince Regent Inlet and Bellot Strait. Ron Solvason and Rick Sandilands of CCIW, Burlington handled the field operations. The survey was to provide tidal information for an upcoming hydrographic survey, and to verify earlier data from Bellot Strait. Dennis St. Jacques was the project supervisor.

Positioning was accomplished using the GNS of the helicopter, and by reference to shore features. The data were analyzed at CCIW, Burlington. Error detection was based on visual analysis of the plotted output. The harmonic analysis results are included in Birch, Fissel & Lemon (1984).

DATA SET 84-0049 INSTITUTE OF OCEAN SCIENCES

Year-long current data were obtained near the Banks Island coastline. The data have not yet been properly analyzed, although there are indications of a relatively strong residual flow (Perkin, pers. comm.). A thermistor chain was also moored at this site.

CTD profiles were made in April 1984 and again in April 1985 when the moorings were recovered (85-0036).

DATA SET 84-0050 INSTITUTE OF OCEAN SCIENCES

This was the third year of a comprehensive oceanographic survey of the Northwest Passage (see also 82-0004 and 83-0008). The data are in the process of being analyzed; contact Dr. H. Melling at IOS for further details.

DATA SET 84-0051A C-CORE, MCGILL UNIVERSITY, NATIONAL RESEARCH COUNCIL

Current profiles were obtained underneath first-year sea ice, using a Neil Brown direct reading acoustic current meter (Model DRCM-2). Current data were profiled to a depth of 13 m beneath the ice immediately following freeze-up (Nov.'84) and immediately preceding breakup (May '85).

See also 83-0016.

DATA SET 84-0051B NATIONAL RESEARCH COUNCIL

Frederking, Maxwell and Prinsenberg (1986) present a summary of the water-level data results. The data are at Tides and Currents, IOS, Sidney, B.C. (contact Ms. Ann Cave).

DATA SET 85-0035 INSTITUTE OF OCEAN SCIENCES

The Ice Keel '85 experiment was designed to study the mixing of the water column due to an ice keel. Fifty-three Guildline CTD casts and 20 current-meter records were collected, as well as depth sounder records, sub-ice survey, and plankton tows. Current meters were moored at depths varying between 2 and 35 m, in a water depth of 114 m. A nominal current-meter location has been used for this inventory. Data analysis is nearing completion and a report is due 1987. Contact Dr. Topham at IOS for further details.

DATA SET 85-0036 INSTITUTE OF OCEAN SCIENCES

When the year-long current and thermistor moorings (84-0049) were recovered, CTD profiles were made in M'Clure and Barrow Straits. The data are not yet processed; contact Mr. Perkin at IOS for further details.

DATA SET 86-0012 BEDFORD INSTITUTE OF OCEANOGRAPHY

No details were available regarding these current data. Contact Dr. Horne at BIO for further information.

APPENDIX 2 ADDRESSES OF INFORMATION SOURCES

Arctic Biological Station
Fisheries and Marine Service
Dept. of Environment
PO Box 400,
Ste. Anne de Bellevue, PQ H9X 3L6

Arctic Laboratories Ltd.
2045 Mills Road
Sidney, BC V8L 3S1
Contact Mr. P. Erickson (604) 656-7077

Bayfield Laboratory for Marine Science and Surveys
P.O. Box 5050
Burlington, ON L7R 4A2
Phone: (416) 637-4380

Bedford Institute of Oceanography
PO Box 1006
Dartmouth, NS B2Y 4A2
Phone: (902) 426-3870

Canadian Hydrographic Service (CHS)
(Contact Tidal Information at the Institute of Ocean Sciences, Sidney, B.C., 604-356-6371)

Canadian Oil and Gas Lands Administration (COGLA)
Physical Environment Division
355 River Road
Ottawa, ON K1A 0E4
Contact Mr. A.O. Mycyk (613) 993-3760

Defence Research Establishment Ottawa (DREO)
Ottawa, ON K1A 0Z4
Phone: (613) 992-8395

Defence Research Establishment Pacific (DREP)
CFB Esquimalt
Victoria, BC V0S 1B0
Phone: (604) 388-1921

Institute of Ocean Sciences
PO Box 6000
9860 West Saanich Rd.
Sidney, BC V8L 4B2
Contact: Ocean Physics - Dr. Humpfrey Melling (604) 356-6552
- Mr. Ron Perkin (604) 356-6584
- Dr. Dave Topham (604) 356-6582
Ocean Chemistry - Dr. Rob Macdonald (604) 356-6409
Tides & Currents - Mr. Fred Stephenson (604) 356-6364

International Council for the Exploration of the Sea
Palaegade 2-4
DK-1261 Copenhagen k
Denmark
Phone: (0) 1 15 42 25

LGL Limited
Environmental Research Associates
22 Fisher Street
PO Box 457
King City, ON LOG 1KO
Contact Dr. R.A. Davis (416) 833-1244

Marine Environmental Data Services (MEDS)
Dept. of Fisheries and Oceans
12th Floor - 200 Kent Street
Ottawa, ON K1A 0E6
Phone: (613) 995-2041

McGill University
Marine Sciences Centre
Montreal, PQ H3A 2T8
Contact Dr. E.R. Pounder (Ice Research) (514) 392-5127

National Oceanographic Data Center (NODC)
NOAA, Code D761
2001 Wisconsin Avenue NW
Washington, DC 20235
Phone: (202) 634-7500

National Technical Information Service
US Dept. of Commerce
Springfield, VA 22161
Phone: (703) 487-4650
NTIS handles the sale of most US government publications

US Naval Oceanographic Office
Washington, DC 20390

US Naval Oceanographic Office
NSTL Station
Bay St. Louis, MS 39522

Woods Hole Oceanographic Institution
Woods Hole, MA
Phone: (617) 548-1400

World Data Centre A
Oceanography
National Oceanographic and Atmospheric Administration
Washington, DC 20235

APPENDIX 3 ABBREVIATIONS USED IN THIS REPORT

ABS	Arctic Biological Station
AML	Applied Microsystems Limited
ASL	Arctic Sciences Limited
BIO	Bedford Institue of Oceanography
BT	Bathythermograph
CCIW	Canadian Centre for Inland Waters
CHS	Canadian Hydrographic Service
CODC	Canadian Oceanographic Data Centre
COGLA	Canadian Oil and Gas Lands Administration
DFO	Department of Fisheries and Oceans
DIAND	Department of Indian Affairs and Northern Development
DREO	Defense Research Establishment Ottawa
DREP	Defense Research Establishment Pacific
EPS	Environmental Protection Service
ESRF	Environmental Studies Revolving Fund
GSC	Geological Survey of Canada
IOS	Institute of Ocean Sciences
LGL	LGL Ecological Research Associates, Inc.
MEDS	Marine Environmental Data Services Branch, Dept. of Fisheries and Oceans, Ottawa
MOT,DOT	Ministry of Transport, Dept. of Transport; now Transport Canada
NODC	National Oceanographic Data Center
NOGAP	Northern Oil and Gas Action Program
NRC	National Research Council
PCSP	Polar Continental Shelf Project
T/S	Temperature-Salinity
USNHO	U.S. Navy Hydrographic Office, Washington
USNOO	U.S. Naval Oceanographic Office, Washington
XBT	Expendable Bathythermograph

CHEMICAL/BIOLOGICAL TERMS

Ag	Silver
alkt	Alkalinity (total)
As	Arsenic
BEC	Benzene extractable compounds
BOD	Biological oxygen demand
C	Carbon
Ca	Cadmium
$CaCO_3$	Calcium carbonate
CH_3	Methyl (mercury)
CH_4	Methane
Cl	Chlorine
Chl.a	Chlorophyll a
Co	Cobalt
CO_2	Carbon dioxide
C^{14}	Radioactive isotope of carbon, C^{14}
Cr	Chromium
Cu	Copper
DB	Lead
DNA	Deoxyribonucleic acid
DOC	Dissolved organic carbon
F	Fluorine
Fe	Iron
H	Hydrogen
HC	Hydrocarbons
HCB	Hexachlorobenzene
He	Helium
HEC	Hexane extractable compound
Hg	Mercury
KME	Kraft mill effluent

Mg	Manganese
N	Nitrogen
N_3	Azine
Ne	Neon
NH_3	Ammonia
Ni	Nickel
NO_2	Nitrite
NO_3	Nitrate
O_2	Dissolved molecular oxygen
ORP	Oxygen reduction potential
P	Phosphorous
Pb	Lead
PCB	Polychlorinated biphenyls
pH	The negative logarithm of the hydrogen-ion concentration
POC	particulate organic carbon
PO_4	Phosphate
RNA	Ribonucleic acid
Se	Selenium
Si	Silicon
SiO_2	Silica
SiO_3	Silicate
SPM	Suspended particulate matter
TDN	Total dissolved nitrogen
TDP	Total dissolved phosphorus
TOC	Total organic carbon
V	Vanadium
Zn	Zinc

OTHER PUBLISHED CATALOGUES IN THE ADCAP SERIES

Cornford, A.B., D.D. Lemon, D.B. Fissel, H. Melling, B.D. Smiley, R.H. Herlinveaux and R.W. Macdonald. 1982. Arctic Data Compilation and Appraisal. Volume 1. Beaufort Sea: Physical Oceanography--Temperature, Salinity, Currents and Water Levels. Cdn. Data Report Hydrogr. Ocean Sciences. No. 5, Vol. 1, 279 p.

Thomas, D.J., R.W. Macdonald and A.B. Cornford. 1982. Arctic Data Compilation and Appraisal. Volume 2. Beaufort Sea: Chemical Oceanography. Cdn. Data Report Hydrogr. Ocean Sciences. No. 5, Vol. 2, 243 p.

Birch, J.R., D.B. Fissel, D.D. Lemon, A.B. Cornford, R.A. Lake, B.D. Smiley, R.W. Macdonald and R.H. Herlinveaux. 1983. Arctic Data Compilation and Appraisal. Volume 3. Northwest Passage: Physical Oceanography--Temperature, Salinity Currents and Water Levels. Cdn. Data Report Hydrogr. Ocean Sciences. No. 5, Vol. 3, 262 p.

Thomas, D.J., R.W. Macdonald, A.G. Francis, V. Wood and A.B. Cornford. 1983. Arctic Data Compilation and Appraisal. Volume 4. Northwest Passage: Chemical Oceanography. Cdn. Data Report Hydrogr. Ocean Sciences. No. 5, Vol. 4, 200 p.

Birch, J.R., D.B. Fissel, D.D. Lemon, A.B. Cornford, R.H. Herlinveaux, R.A. Lake and B.D. Smiley. 1983. Arctic Data Compilation and Appraisal. Volume 5. Baffin Bay: Physical Oceanography--Temperature, Salinity, Currents and Water Levels. Cdn. Data Report Hydrogr. Ocean Sciences. No. 5, Vol. 5, 372 p.

Fissel, D.B., L. Cuypers, D.D. Lemon, J.R. Birch, A.B. Cornford, R.A. Lake, B.D. Smiley, R.W. Macdonald and R.H. Herlinveaux. 1983. Arctic Data Compilation and Appraisal. Volume 6. Queen Elizabeth Islands: Physical Oceanography--Temperature, Salinity, Currents and Water Levels. Cdn. Data Report Hydrogr. Ocean Sciences. No. 5, Vol. 6, 214 p.

Birch, J.R., D.B. Fissel, A.B. Cornford and H. Melling. 1984. Arctic Data Compilation and Appraisal. Volume 7. Canada Basin-Arctic Ocean: Physical Oceanography--Temperature, Salinity, Currents and Water Levels. Cdn. Data Report Hydrogr. Ocean Sciences, No. 5, Vol. 7, 624 p.

Harwood, L.A., L.A. Turney, L. de March, B.D. Smiley and P. Norton. 1986. Arctic Data Compilation and Appraisal. Volume 8. Beaufort Sea: Biological Oceanography--Seals, 1826-1985. Cdn. Data Report Hydrogr. Ocean Sciences, No. 5, Vol. 8, (Part 1, 352 p.; Part 2, 301 p.).

Woods, S. and B.D. Smiley. 1987. Arctic Data Compilation and Appraisal. Volume 9. Beaufort Sea: Biological Oceanography--Bacteria, Plankton and Epontic Community, 1914 through 1985. Cdn. Data Report Hydrogr. Ocean Sciences, No. 5. Vol. 9, 412p.

Norton, P., B.D. Smiley and L. de March. 1987. Arctic Data Compilation and Appraisal. Volume 10. Beaufort Sea: Biological Oceanography--Whales, 1848-1983. Cdn. Data Report Hydrogr. Ocean Sciences, No. 5. Vol. 10, 407p.

Wainwright, P.F., B.D. Smiley and A. Blyth. 1987. Arctic Data Compilation and Appraisal. Volume 11. Beaufort Sea: Biological Oceanography--Marine Zoobenthos, 1914 to 1986. Can. Data Rep. Hydrogr. Ocean Sci. No. 5. Vol. 11, 367p.

Birch, J.R., D.D. Lemon, D.B. Fissel and H. Melling. 1987. Arctic Data Compilation and Appraisal. Volume 12. Beaufort Sea: Physical Oceanography--Currents, Water Levels and Waves, 1914 to 1986 (revised and updated Volume 1). Can. Data Rep. Hydrogr. Ocean Sci. No. 5. Vol. 12, 459p.

Norton, P.N., L. de March and B.D. Smiley. 1987. Arctic Data Compilation and Appraisal. Volume 13. Northwest Passage: Biological Oceanography--Whales, 1820 to 1984. Can. Data Rep. Hydrogr. Ocean Sci. No. 5. Vol. 13, (Part 1, 244 p.; Part 2, 487 p.).